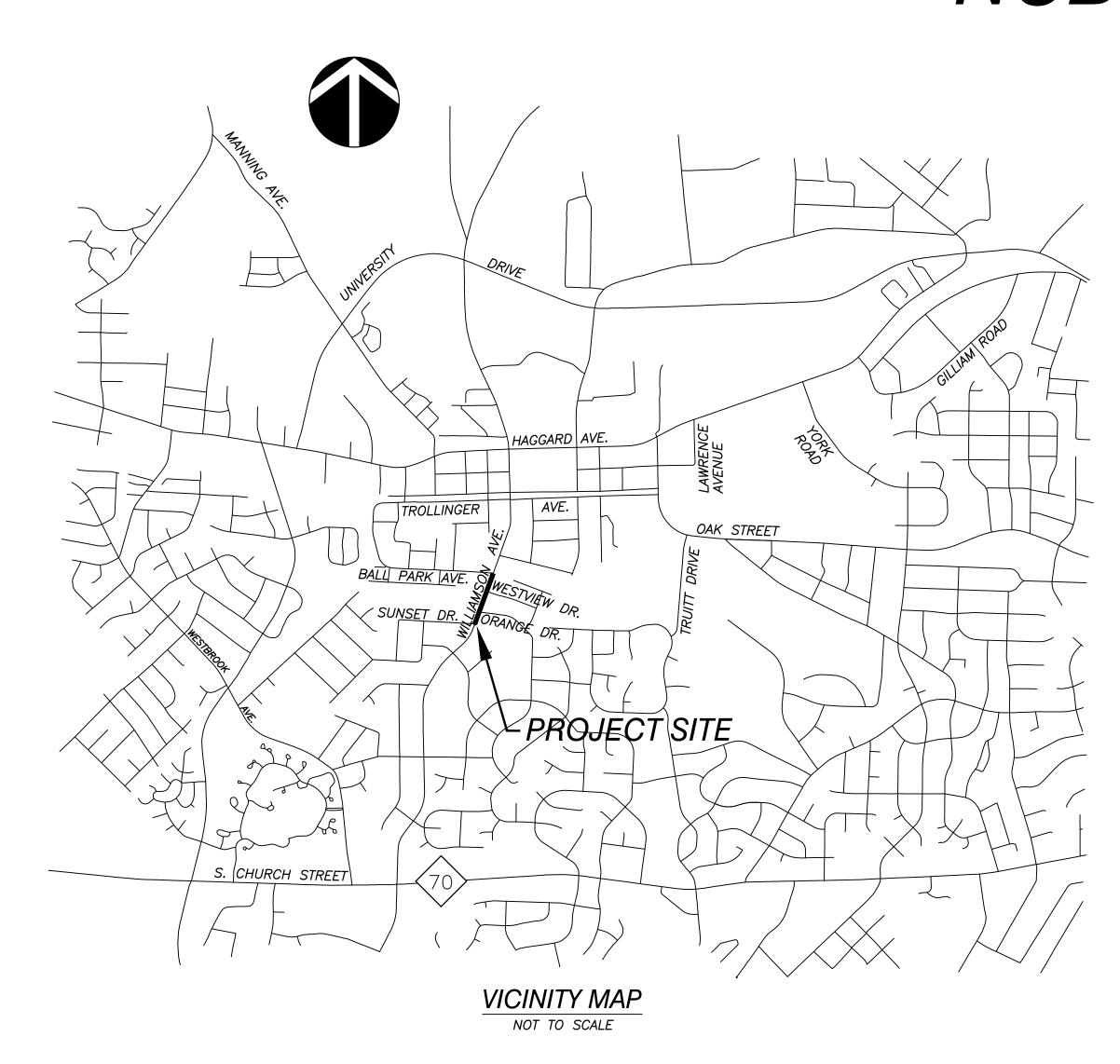
TOWN OF ELON STREET & SIDEWALK IMPROVEMENTS S. WILLIAMSON AVE. & BALL PARK AVE.

ALAMANCE COUNTY, ELON, NORTH CAROLINA NCDOT PROJECT NO.: 43831



DATE: JANUARY 16, 2014

OWNER TOWN OF ELON

104 SOUTH WILLIAMSON AVENUE ELON, NORTH CAROLINA 27244 TELEPHONE : (336) 584-0282

TOWN MANAGER: RICHARD J. WHITE, III

TOWN ATTORNEY: JOESPH J. KALO

TOWN CLERK: DIANNE ENOCH

INDEX OF SHEETS

SHEET 1 OF 17 - COVER SHEET

SHEET 2 OF 17 - TYPICAL SECTIONS

SHEET 3 OF 17 - S. WILLIAMSON AVENUE STREET & SIDEWALK IMPROVEMENTS

SHEET 4 OF 17 - S. WILLIAMSON AVENUE STREET & SIDEWALK IMPROVEMENTS

SHEET 5 OF 17 - BALL PARK AVENUE STREET & SIDEWALK IMPROVEMENTS

SHEET 6 OF 17 - S. WILLIAMSON AVENUE CROSS SECTIONS (DELETED FROM SET

SHEET 7 OF 17 - S. WILLIAMSON AVENUE CROSS SECTIONS

SHEET 8 OF 17 - S. WILLIAMSON AVENUE CROSS SECTIONS

SHEET 9 OF 17 - S. WILLIAMSON AVENUE CROSS SECTIONS

SHEET 10 OF 17 - BALL PARK AVENUE CROSS SECTIONS

SHEET 11 OF 17 - CONSTRUCTION DETAILS

SHEET 12 OF 17 - CONSTRUCTION DETAILS

SHEET 13 OF 17 - EROSION CONTROL DETAILS

SHEET 14 OF 17 - EROSION CONTROL NOTES

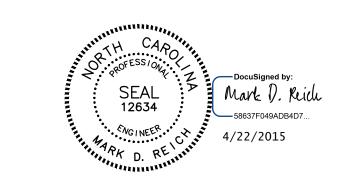
SHEET 15 OF 17 - TRAFFIC CONTROL PLAN

SHEET 16 OF 17 - TRAFFIC DETAILS

SHEET 17 OF 17 - TRAFFIC DETAILS

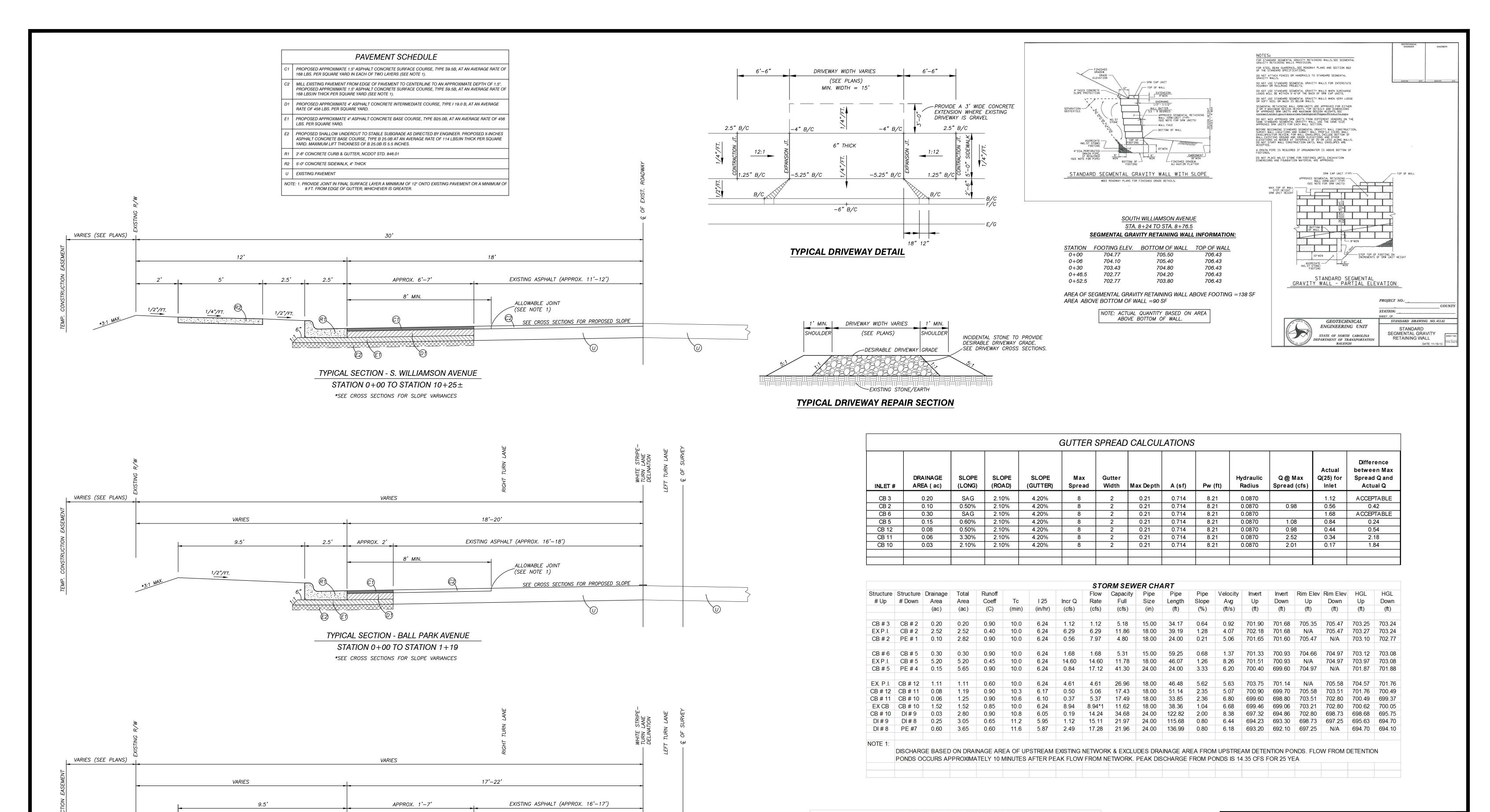
ALLEY, WILLIAMS, CARMEN, & KING, INC.
ENGINEERS & ARCHITECTS
740 CHAPEL HILL ROAD
BURLINGTON, NORTH CAROLINA 27215
TELEPHONE: 336-226-5534

FIRM'S ENGINEERING LICENSE NO. F-0203



JOB NO. 12190

REVISED : 4/17/15 - RELEASED FOR CONSTRUCTION REVISED : 5/05/14 - NCDOT COMMENTS



ALLOWABLE JOINT

SEE CROSS SECTIONS FOR PROPOSED SLOPE

(SEE NOTE 1)

TYPICAL SECTION - BALL PARK AVENUE

STATION 1+19 TO STATION 2+30

*SEE CROSS SECTIONS FOR SLOPE VARIANCES



1/16/14 REVISED: 4/17/15 - RELEASED FOR CONSTRUCTION WDF REVISED: 4/17/15 - REVISED TYPICAL DRIVEWAY SECTION CHECKED BY: REVISED : 5/05/14 - REVISED STORM DRAIN CHART & ADDED GUTTER SPREAD CALCS.

PROPOSED STREET & SIDEWALK IMPROVEMENTS FOR TOWN OF ELON

ELON, NORTH CAROLINA BOONE STATION TOWNSHIP, ALAMANCE COUNTY, NC

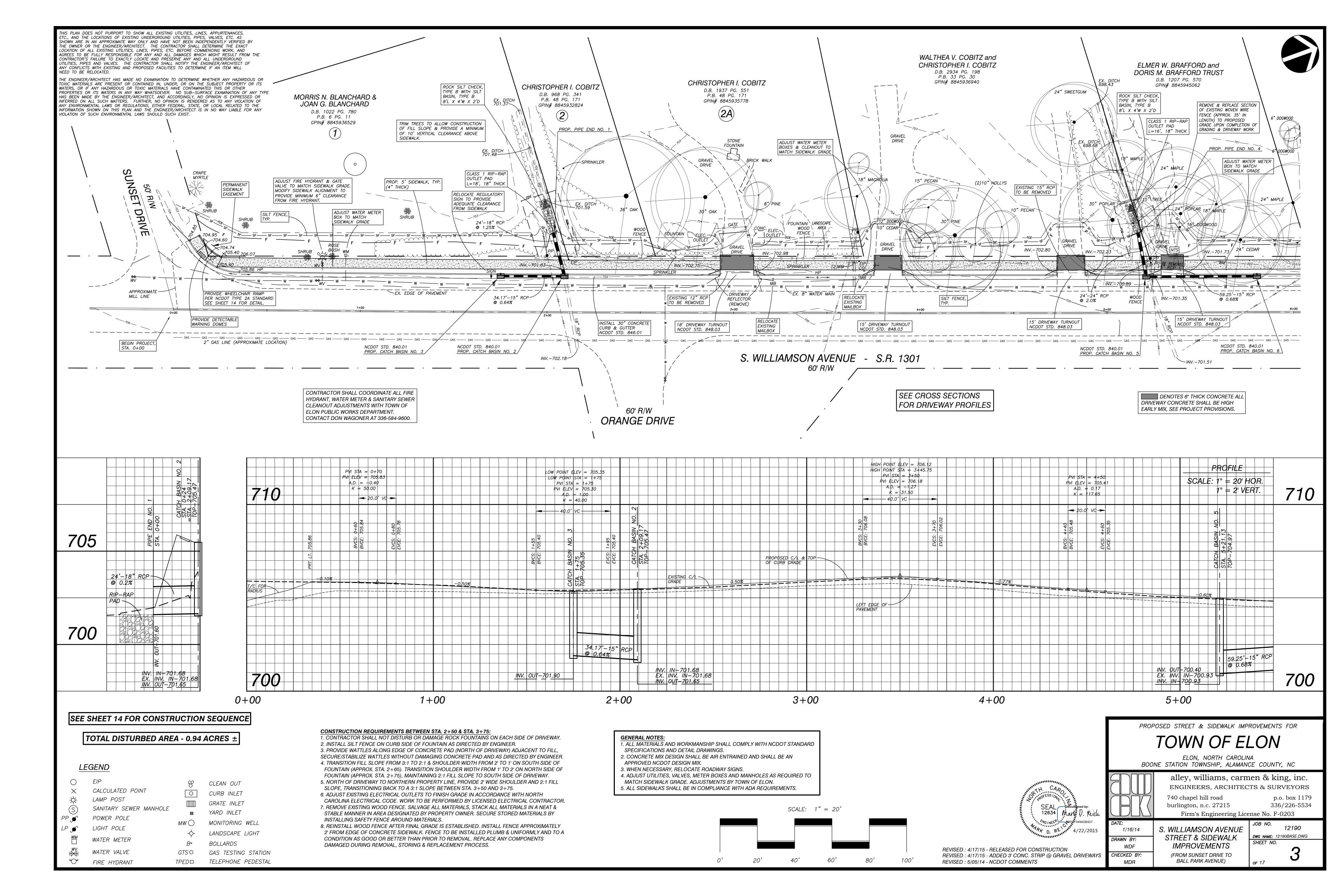
alley, williams, carmen & king, inc. ENGINEERS, ARCHITECTS & SURVEYORS 740 chapel hill road p.o. box 1179 336/226-5534

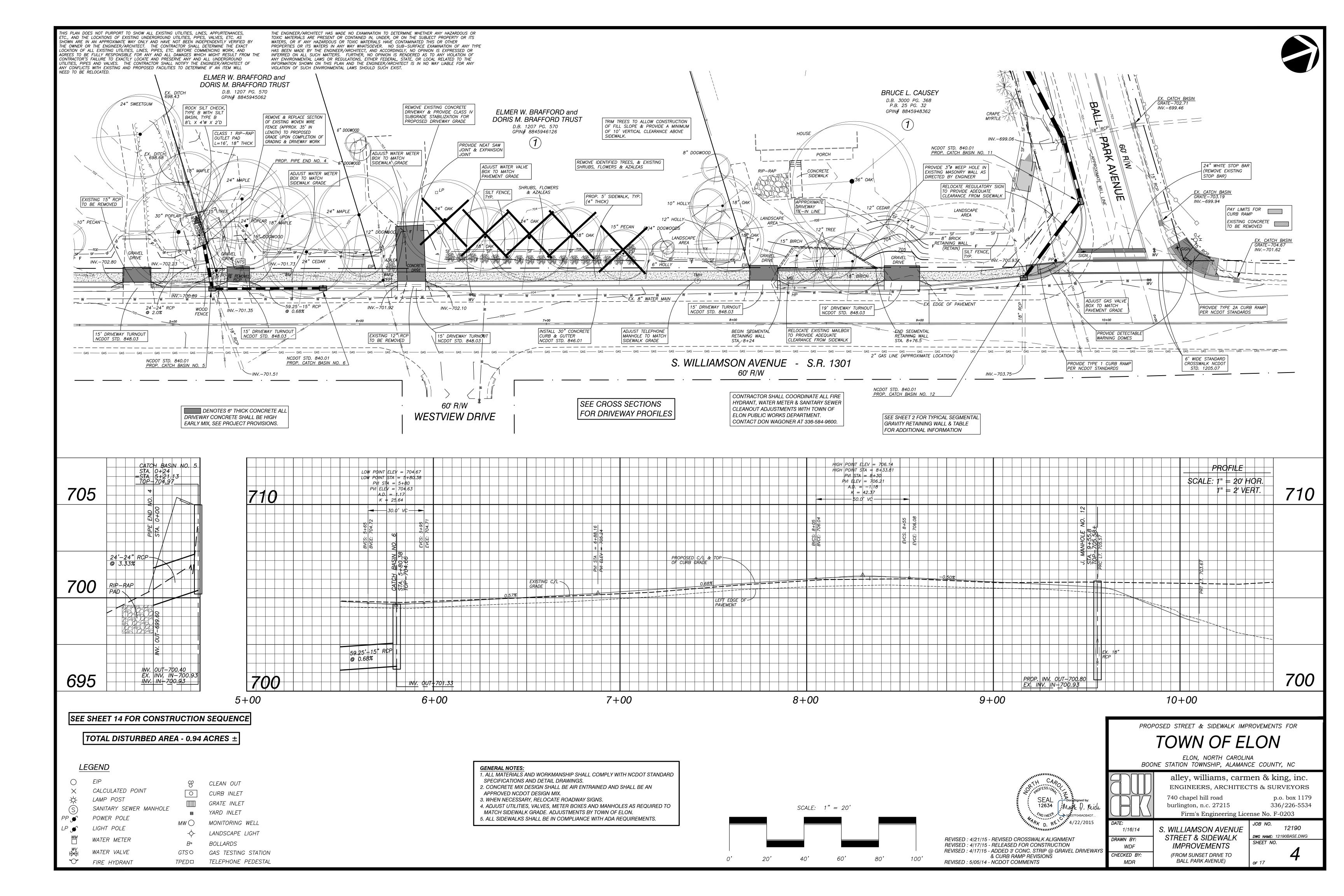
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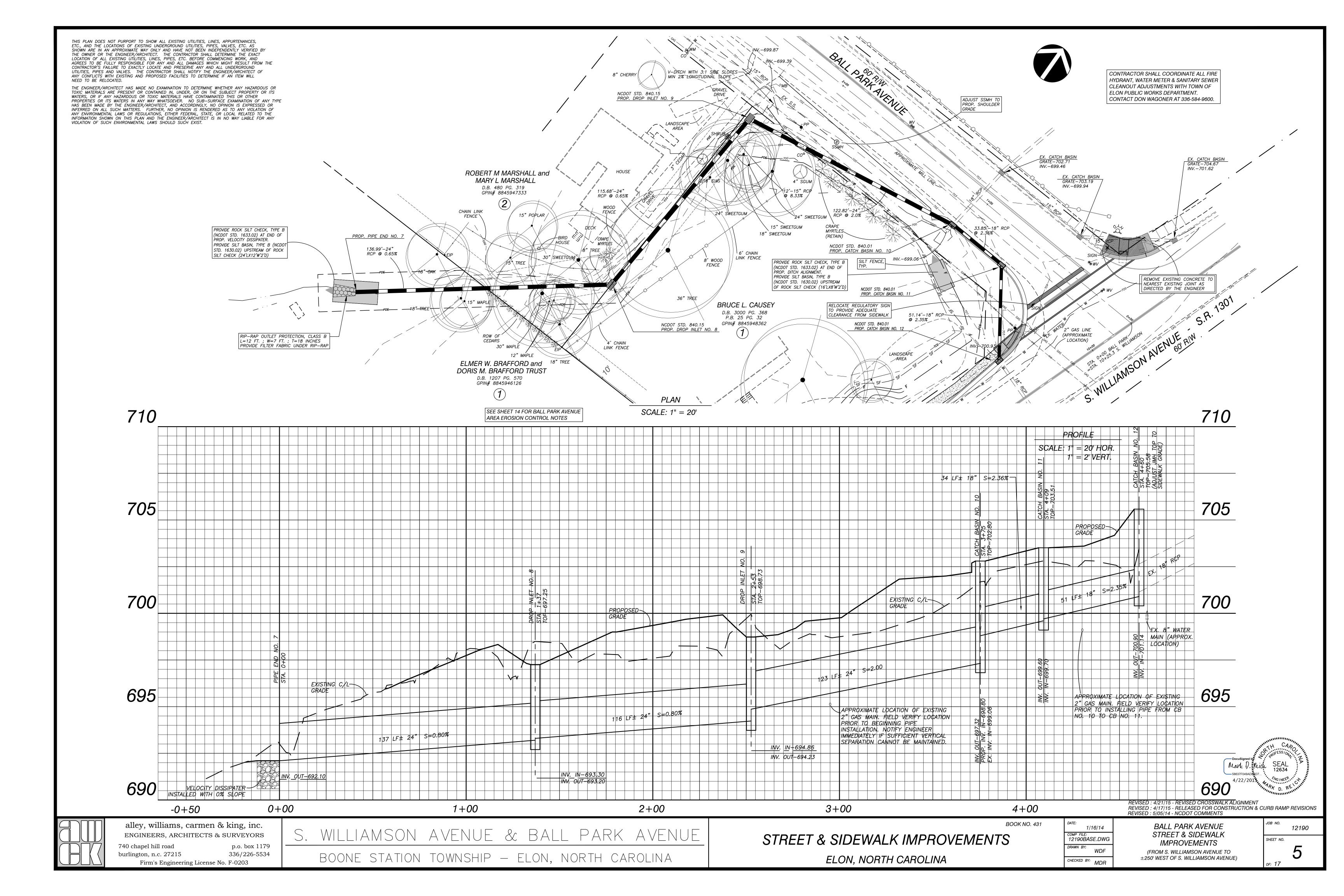
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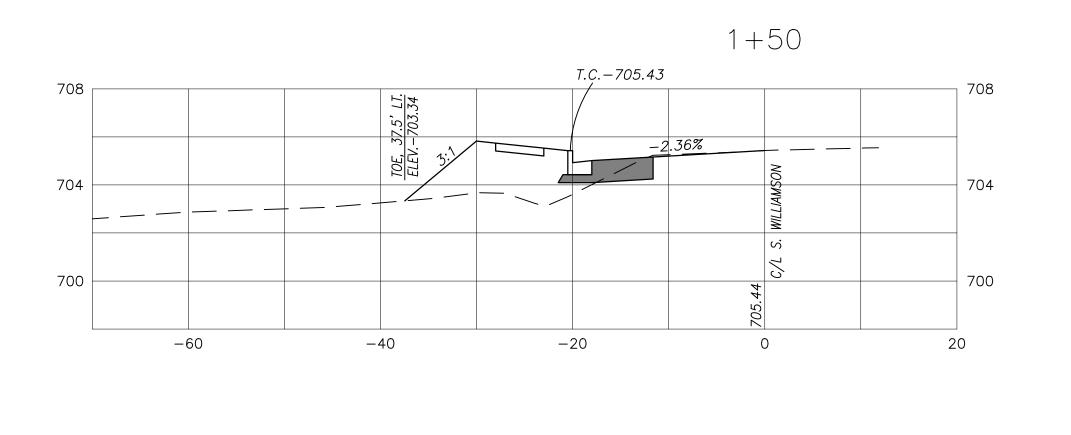
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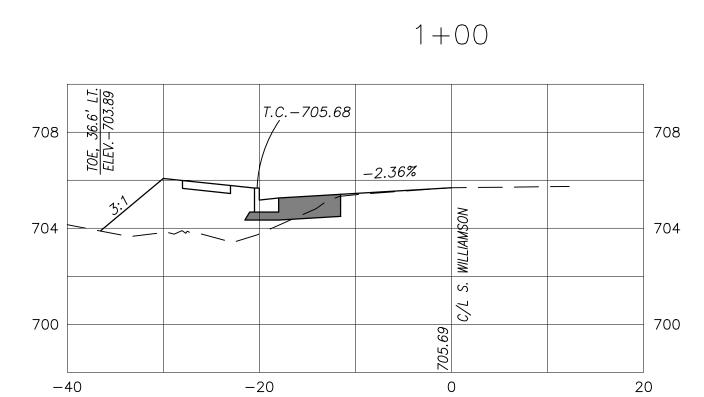
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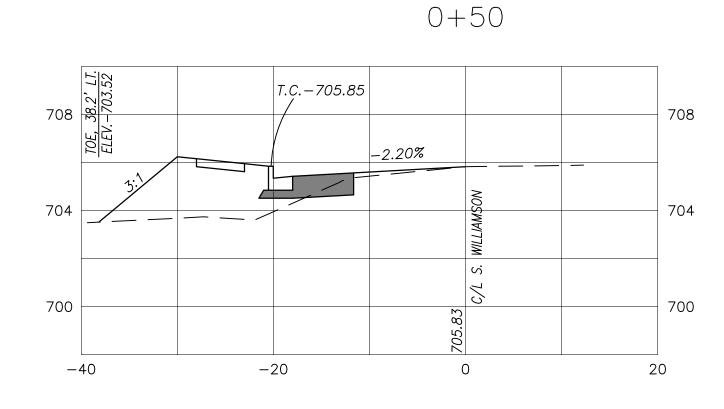


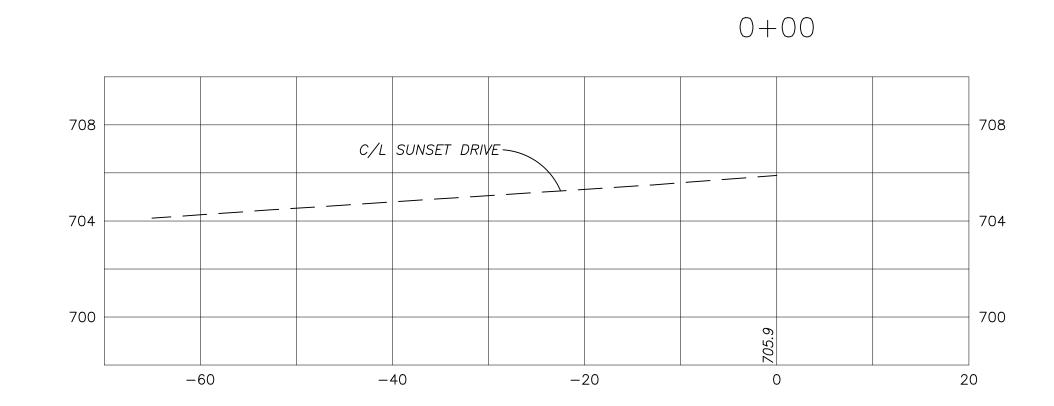


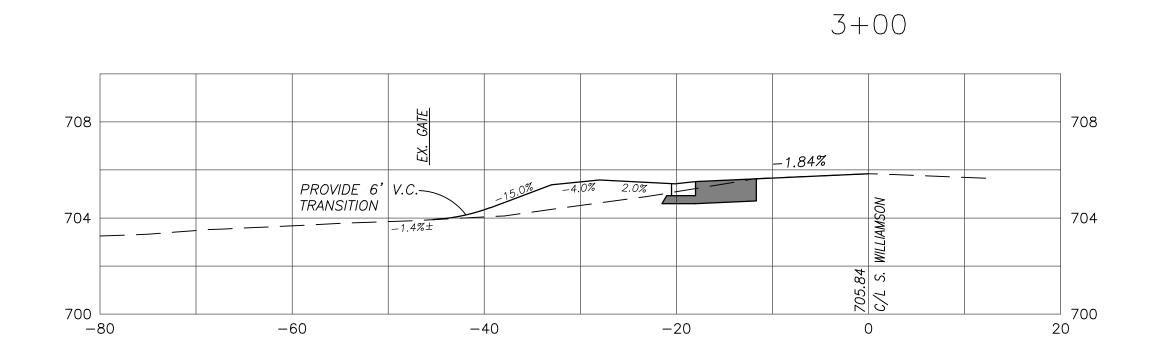


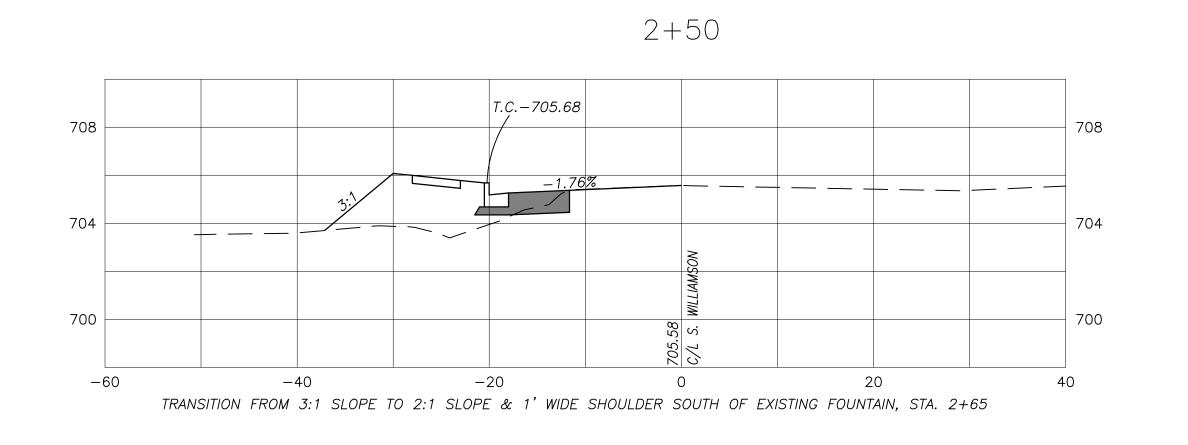


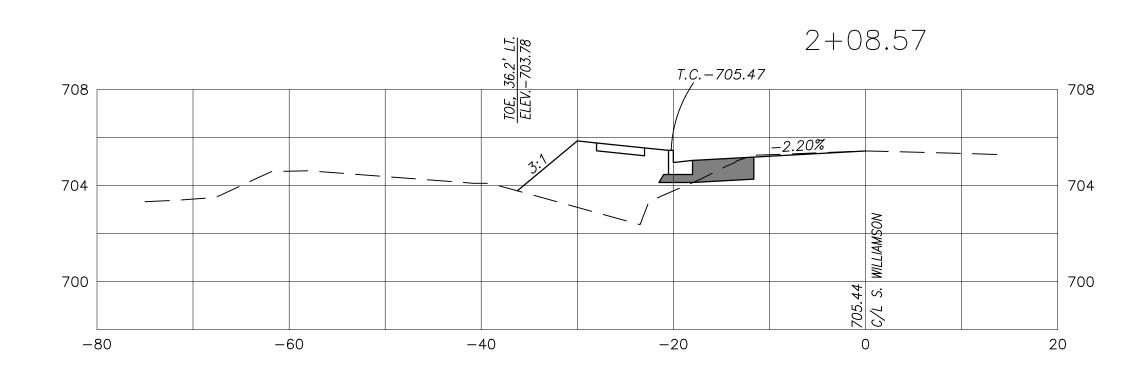


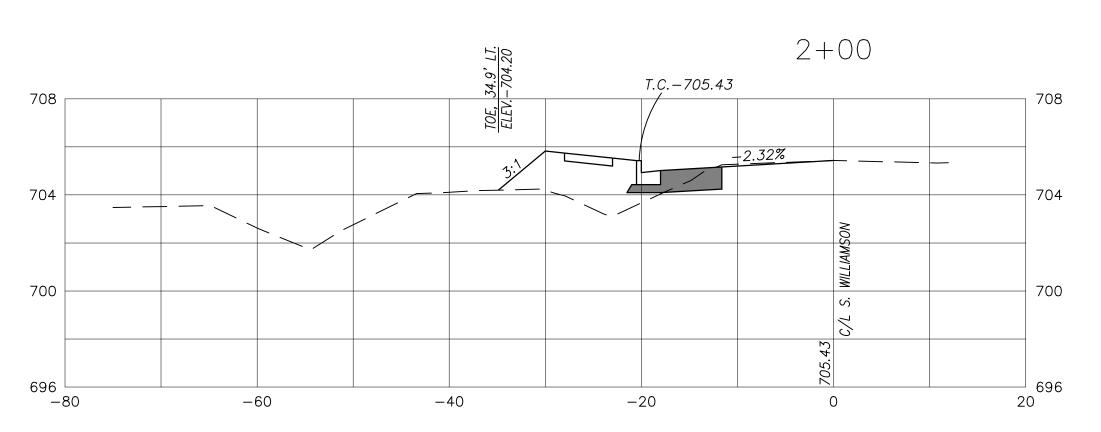












SCALES *HORIZONTAL:* 1" = 10' *VERTICAL:* 1" = 4"



PROPOSED STREET & SIDEWALK IMPROVEMENTS FOR

TOWN OF ELON

ELON, NORTH CAROLINA BOONE STATION TOWNSHIP, ALAMANCE COUNTY, NC



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Firm's Engineering License No. F-0203

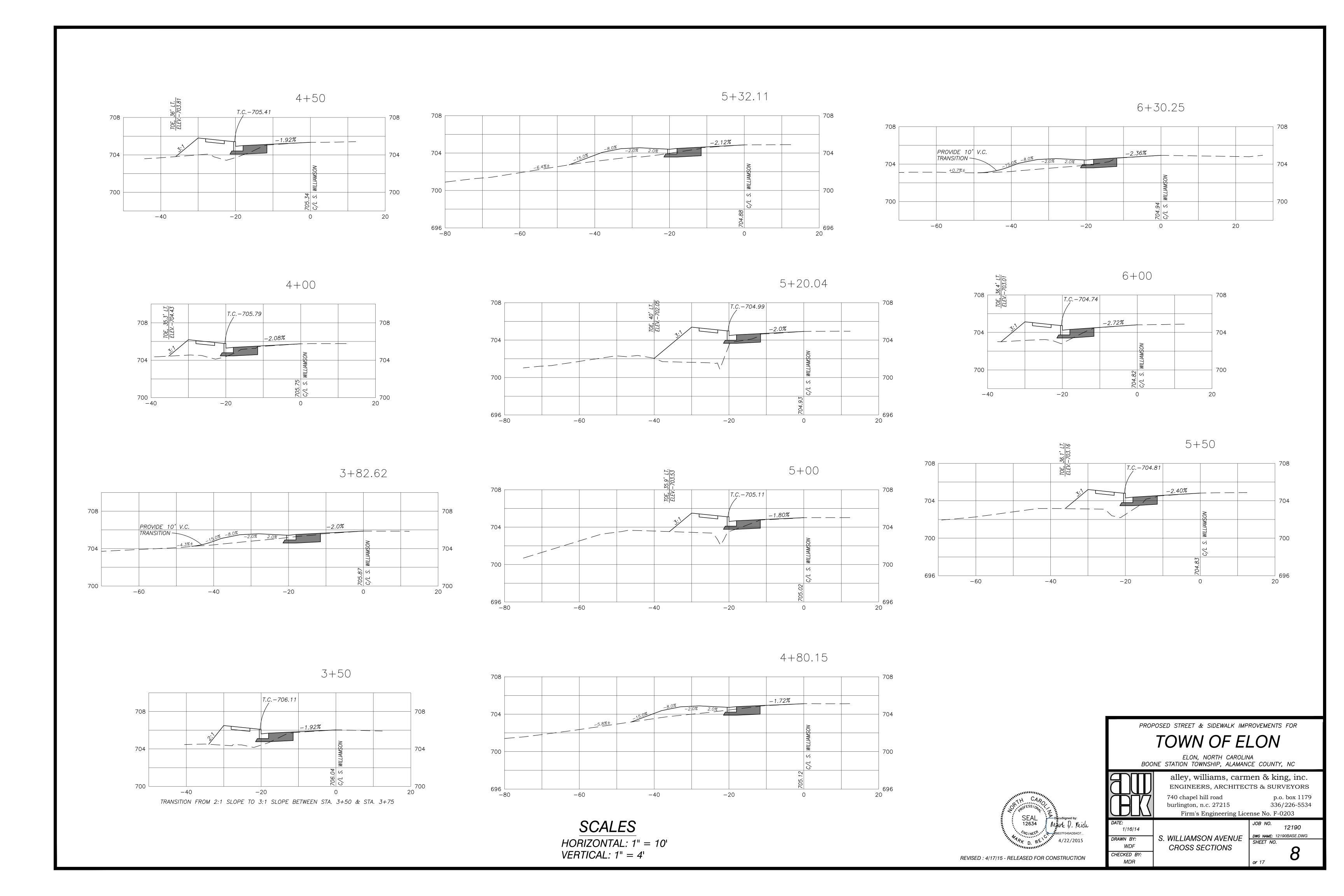
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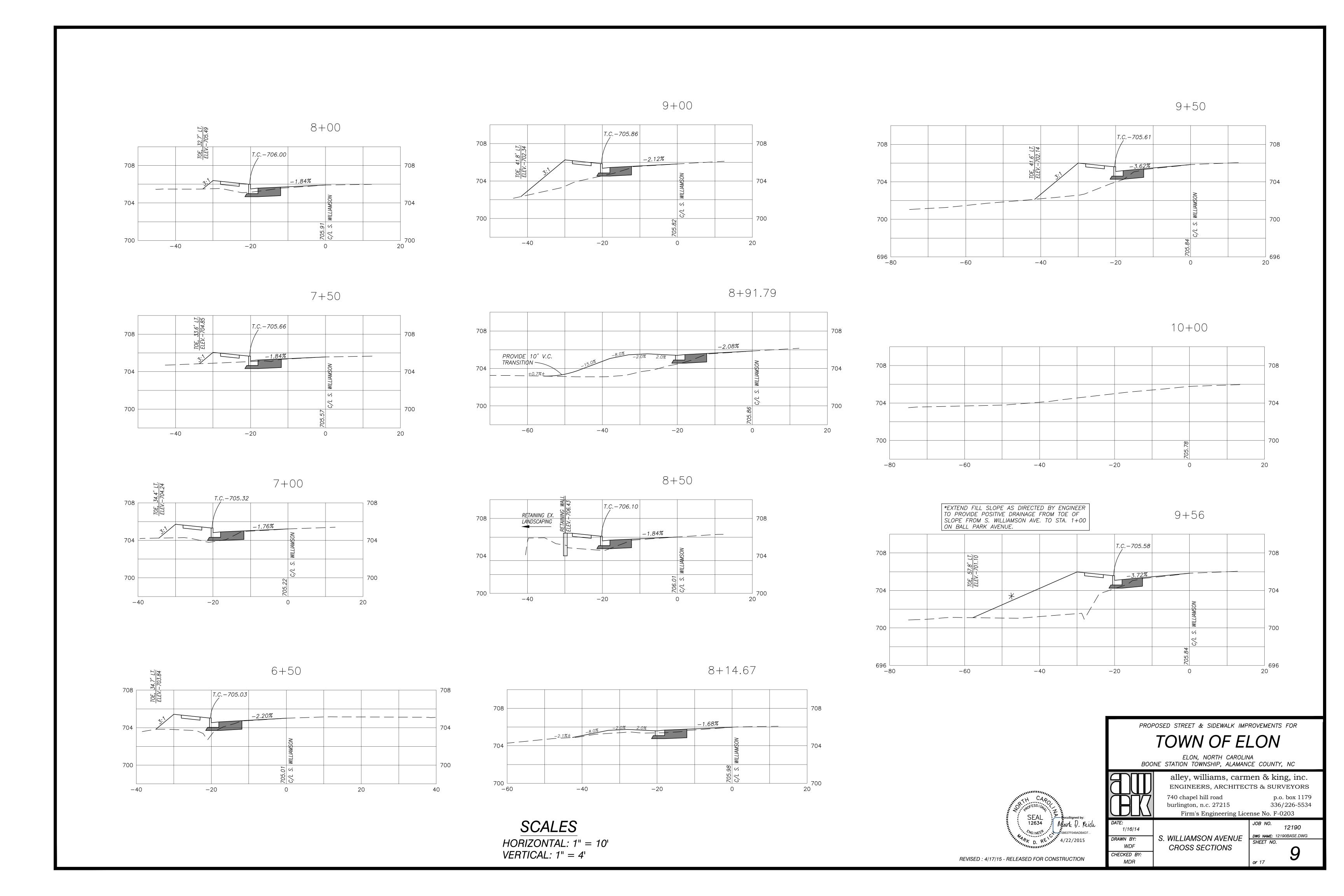
S. WILLIAMSON AVENUE CROSS SECTIONS

DWG NAME: 12190BASE.DWG
SHEET NO.

12190

REVISED : 4/17/15 - RELEASED FOR CONSTRUCTION





NOTE: CROWN OF ROAD IS OFFSET C/L SURVEY LINE. CROWN IS APPROXIMATELY 5'-6' LEFT 2+00 3+00 OF C/L SURVEY. 704 704 1+00 700 PROVIDE 1'
MIN. COVER
OVER PIPE 700 700 Ţ.C.-702.95 PROP. 24" RCP 696 696 -20 -40-40700 1 + 752+50 696 -40-20 704 *EXTEND FILL SLOPE AS DIRECTED BY ENGINEER TO PROVIDE POSITIVE DRAINAGE FROM TOE OF SLOPE FROM S. WILLIAMSON AVE. TO STA. 1+00 0 + 75700 700 700 Ţ.C. – 703.47 704 8 PROP. 24" 696 -40700 -20 -40-40-20 1+50 2+25 0+50 704 704 708 _F Ţ.C. - 704.26 704 V PROP. 24" RCP 696 696 703.12 C/L BAL → PROP. 24" RCP 700 -20 -20 -40-40 -20 1 + 250+00 704 708 708 PROPOSED STREET & SIDEWALK IMPROVEMENTS FOR 704 704 PROP. 24" TOWN OF ELON ELON, NORTH CAROLINA BOONE STATION TOWNSHIP, ALAMANCE COUNTY, NC 700 alley, williams, carmen & king, inc. ENGINEERS, ARCHITECTS & SURVEYORS 740 chapel hill road p.o. box 1179 burlington, n.c. 27215 336/226-5534 SEAL 12634 Firm's Engineering License No. F-0203 **SCALES** 12190 1/16/14

HORIZONTAL: 1" = 10'

VERTICAL: 1" = 4'

DWG NAME: 12190BASE.DWG SHEET NO.

BALL PARK AVENUE

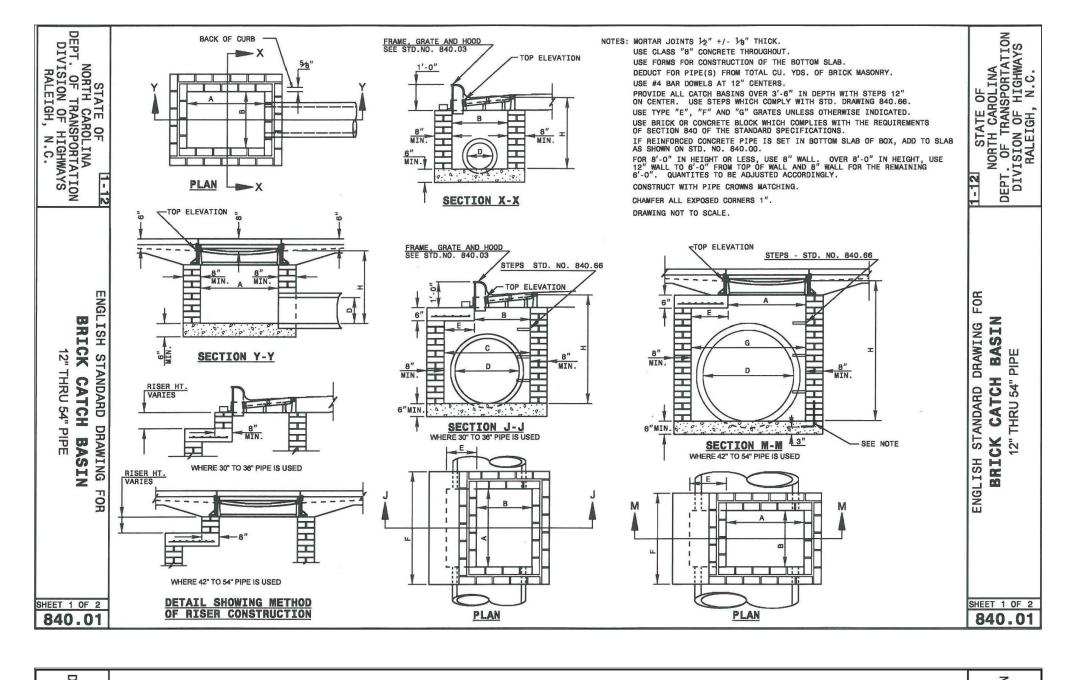
CROSS SECTIONS

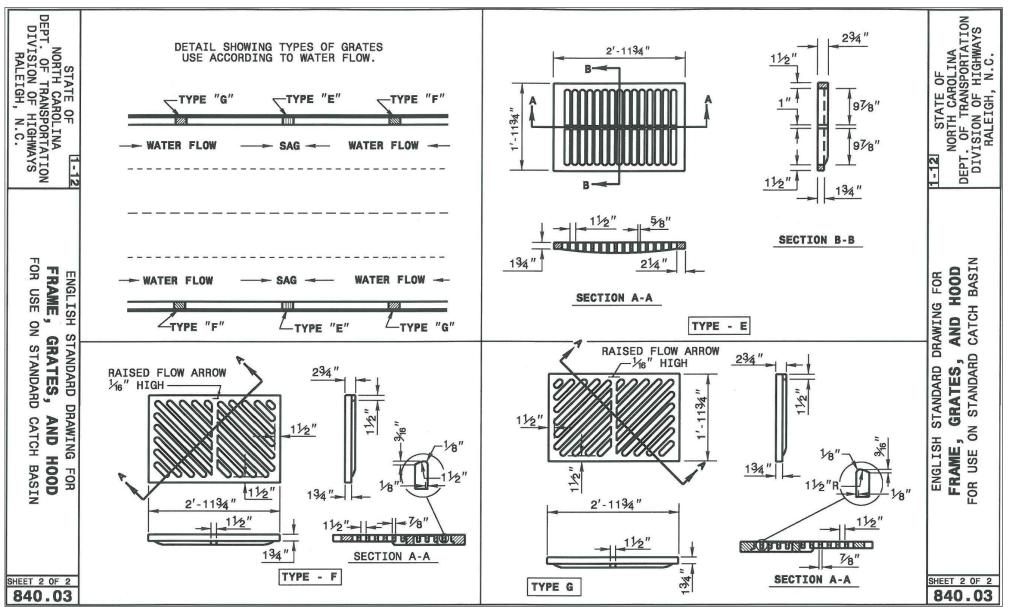
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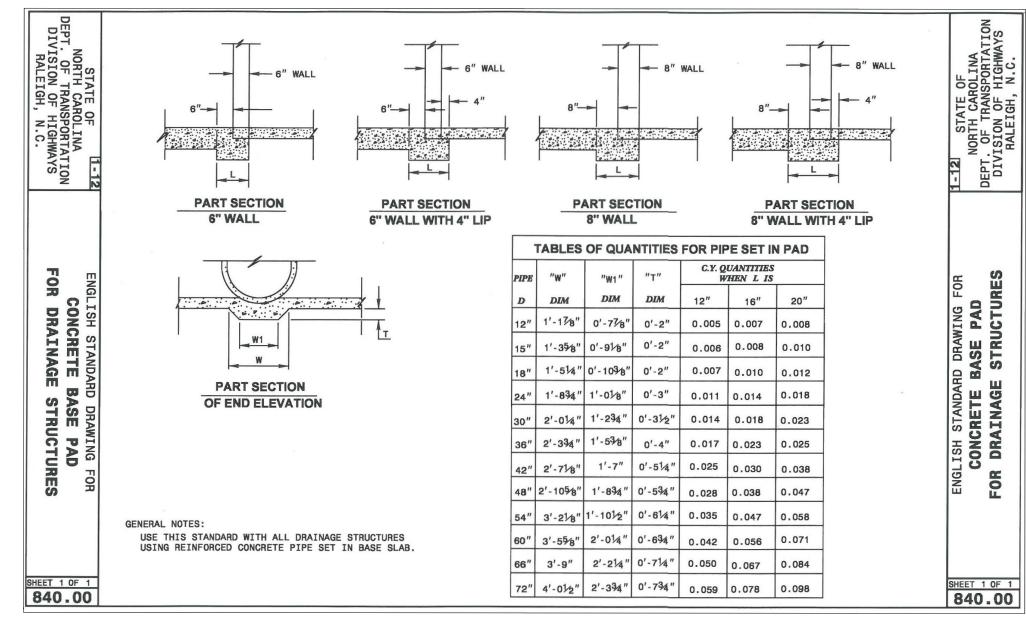
REVISED : 4/17/15 - RELEASED FOR CONSTRUCTION

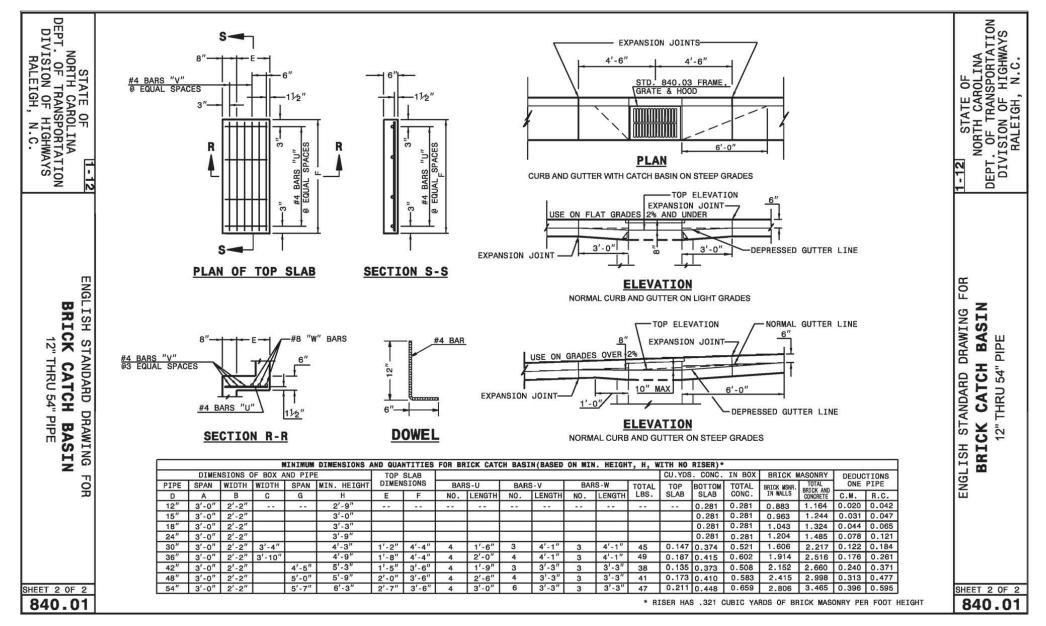
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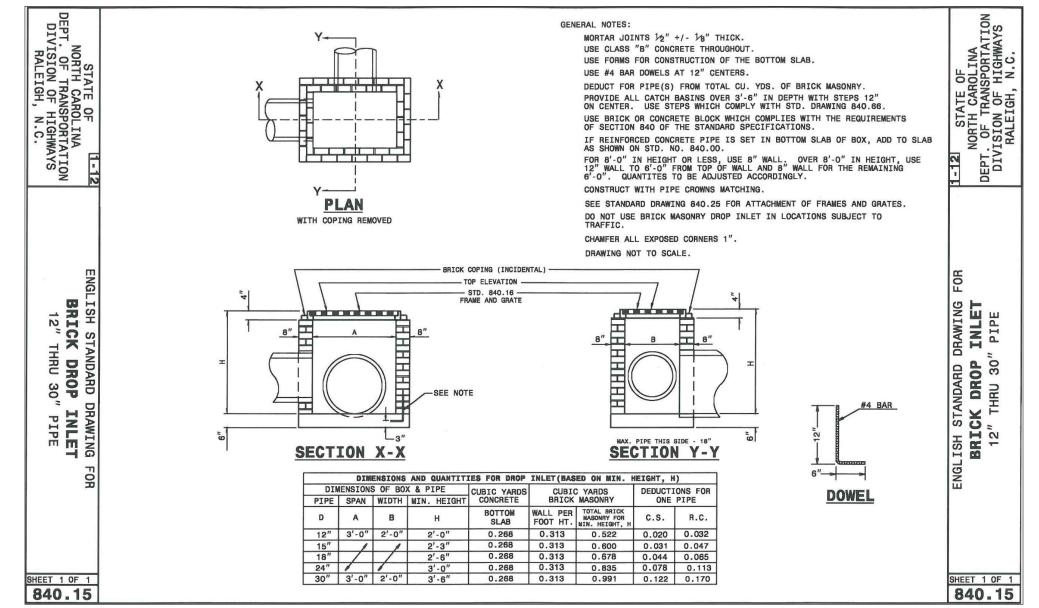
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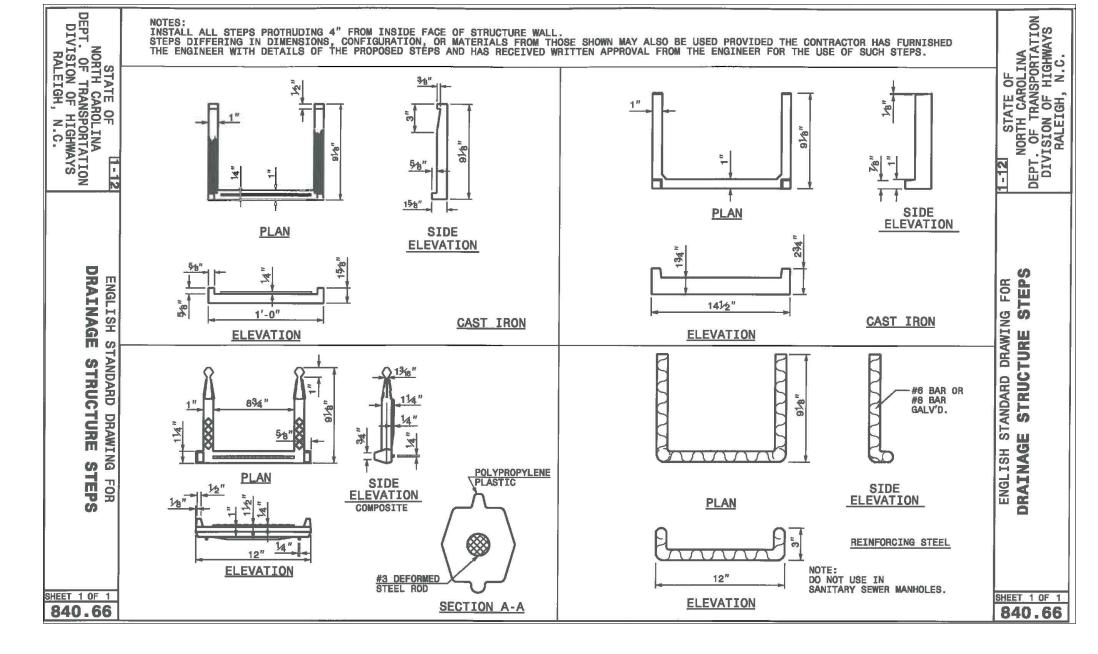


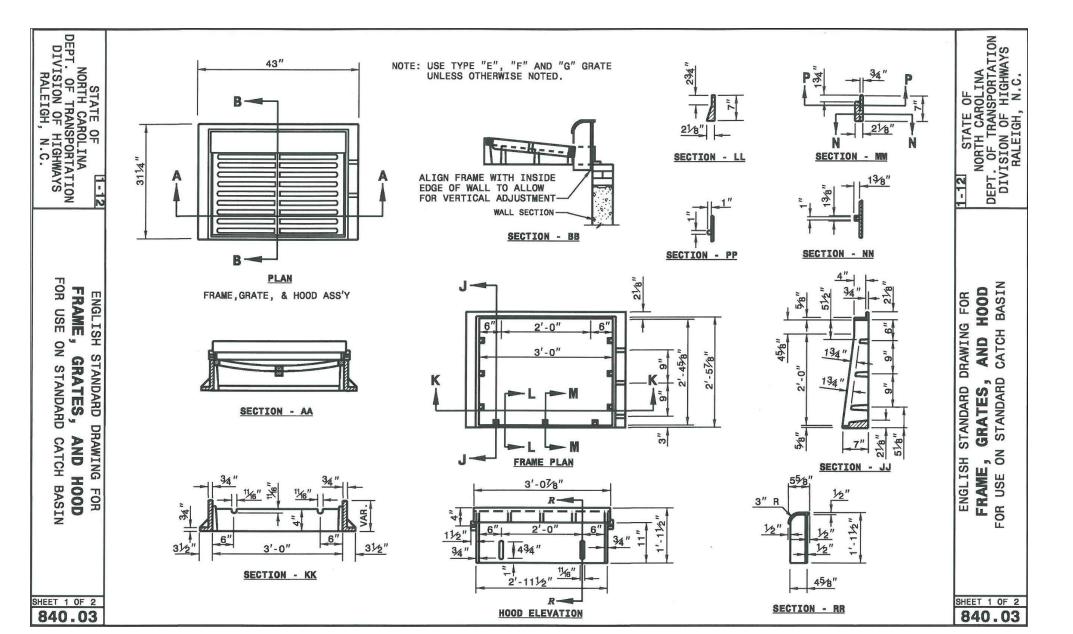


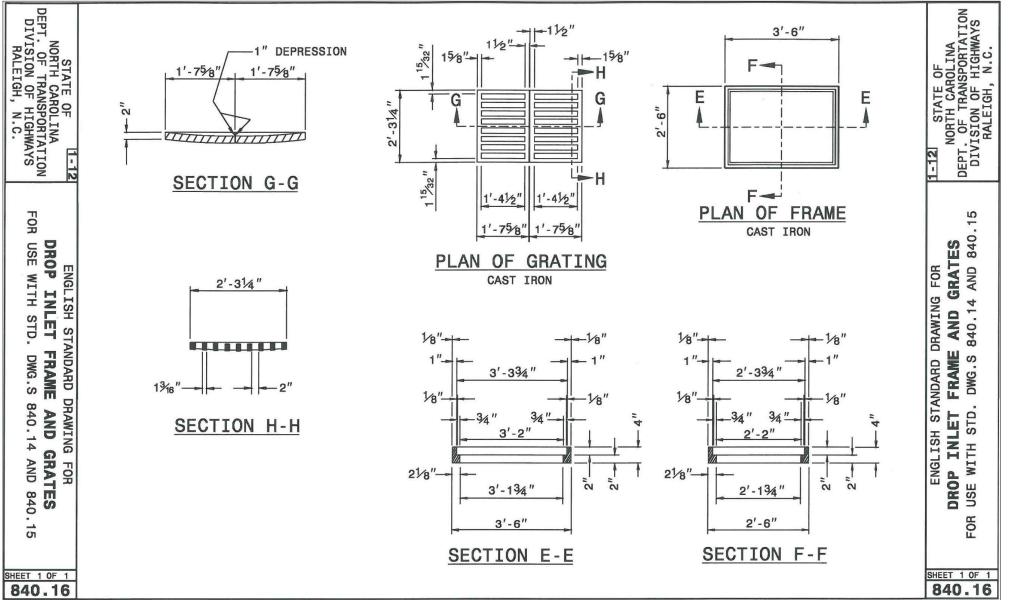


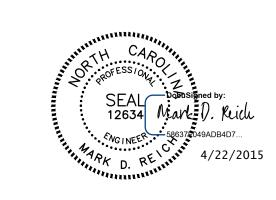






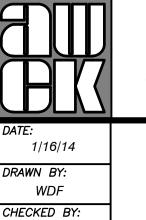








HAW RIVER, NORTH CAROLINA HAW RIVER TOWNSHIP, ALAMANCE COUNTY, NC



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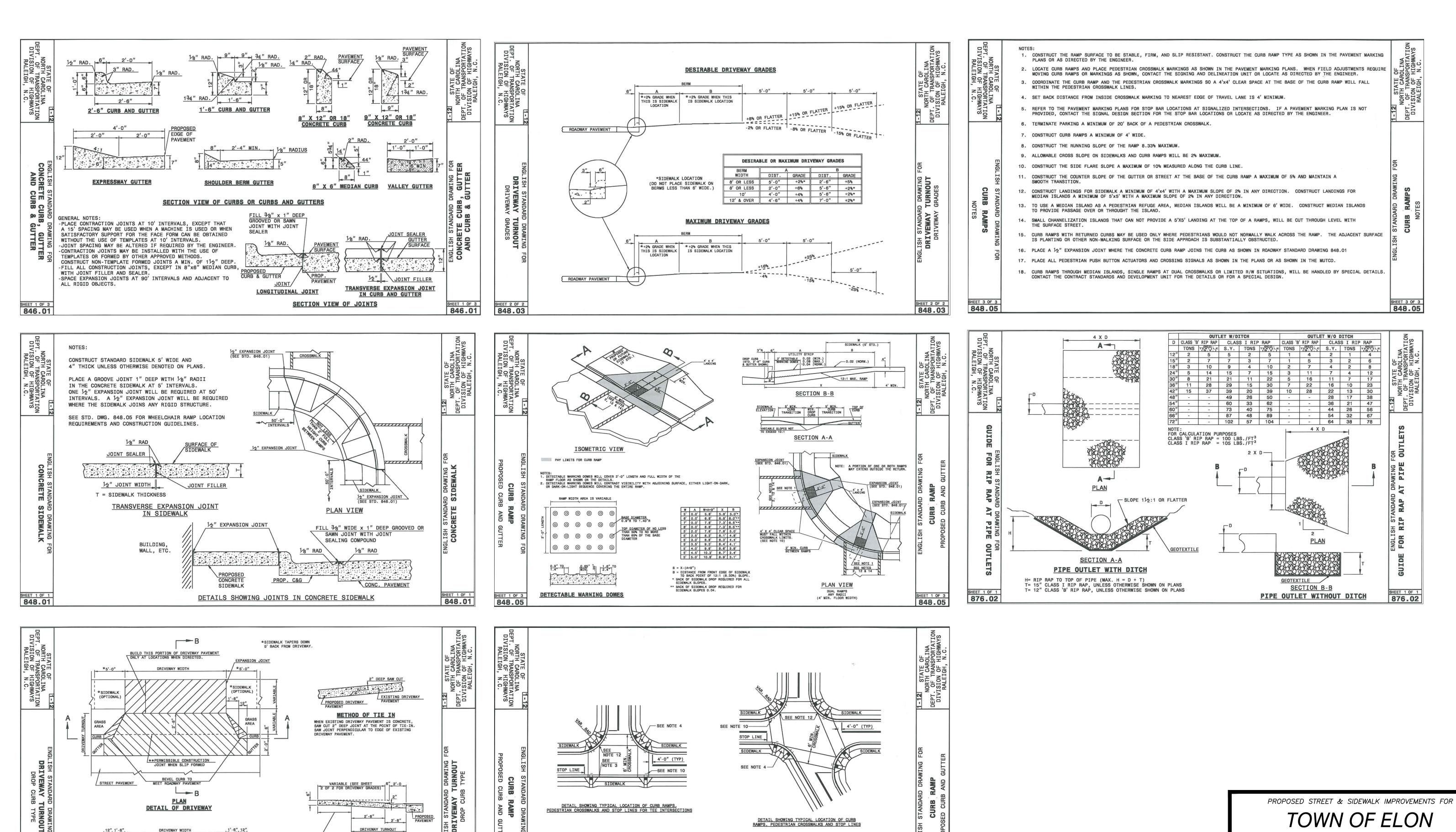
burlington, n.c. 27215 Firm's Engineering License No. F-0203

CONSTRUCTION **DETAILS**

DWG NAME: 12190DETAILS.DWG SHEET NO. oF 17

12190

REVISED: 4/17/15 - RELEASED FOR CONSTRUCTION



PROPOSED CURB RAMP W/ LANDING

PROPOSED OR FUTURE SIDEWALK

ALLOWABLE LOCATIONS

SHEET 2 OF 3 848.05

DUAL RAMP RADII...

PLAN SYMBOL

CR

FOR PROPOSED CURB RAMP

BUILD THIS PORTION OF DRIVEWAY
PAVEMENT ONLY AT LOCATIONS

SECTION B-B

848.03

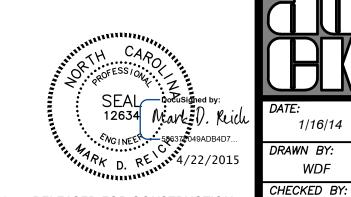
848.05

SHEET 1 OF 2 848.03

SECTION A-A

GENERAL NOTES:

**NO CONSTRUCTION JOINT WILL BE PERMITTED IF FORMS ARE USED TO CAST DRIVEWAY. SLIP FORMING OF CURB AND GUTTER PERMITS THE USE OF CONSTRUCTION JOINT.



HAW RIVER, NORTH CAROLINA HAW RIVER TOWNSHIP, ALAMANCE COUNTY, NC

alley, williams, carmen & king, inc.

1/16/14 WDF

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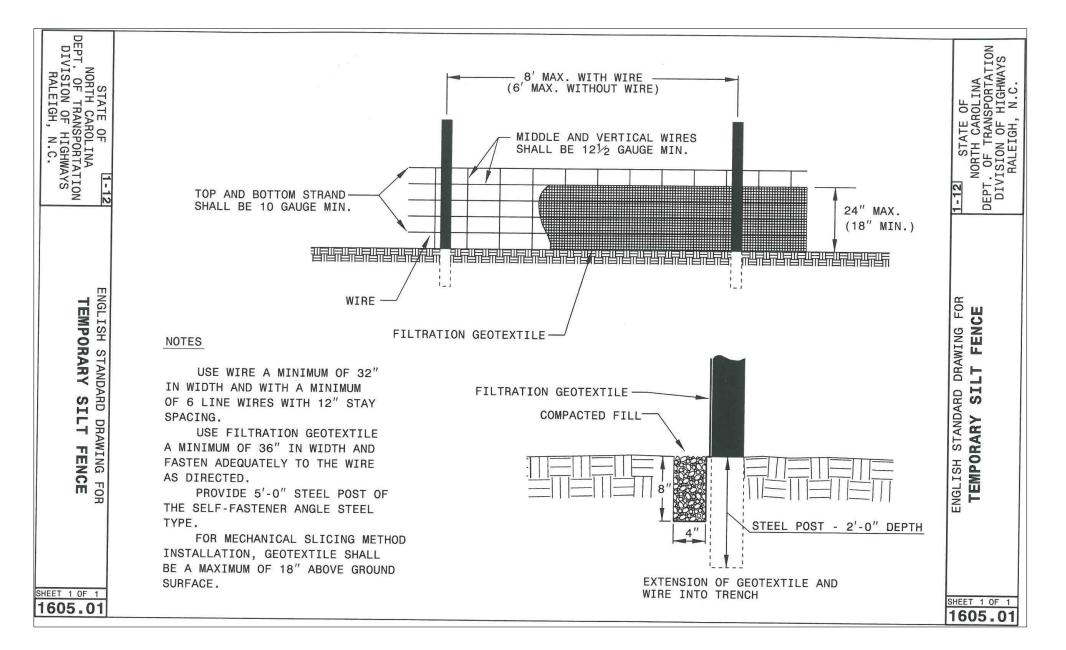
CONSTRUCTION **DETAILS**

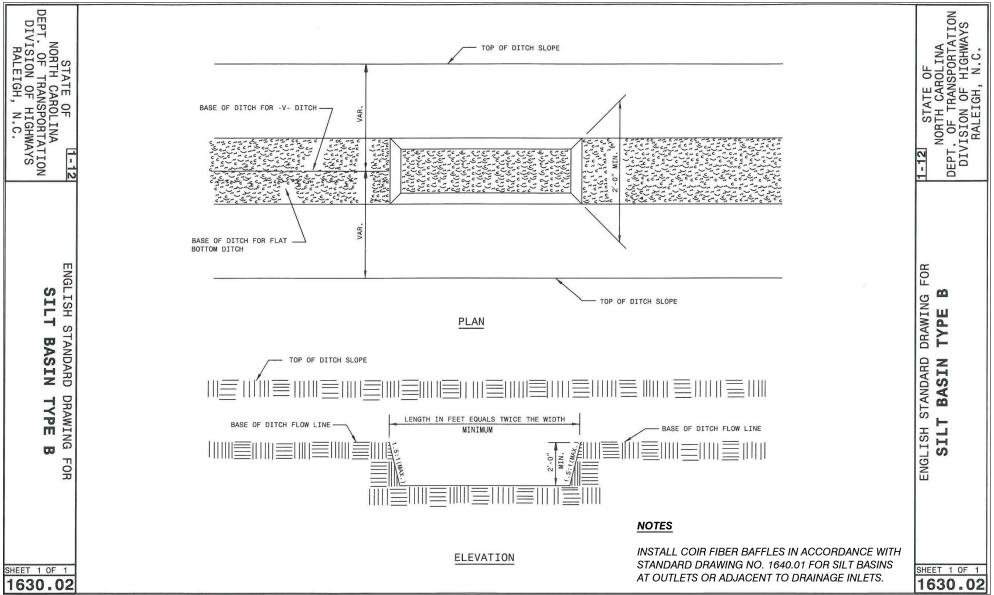
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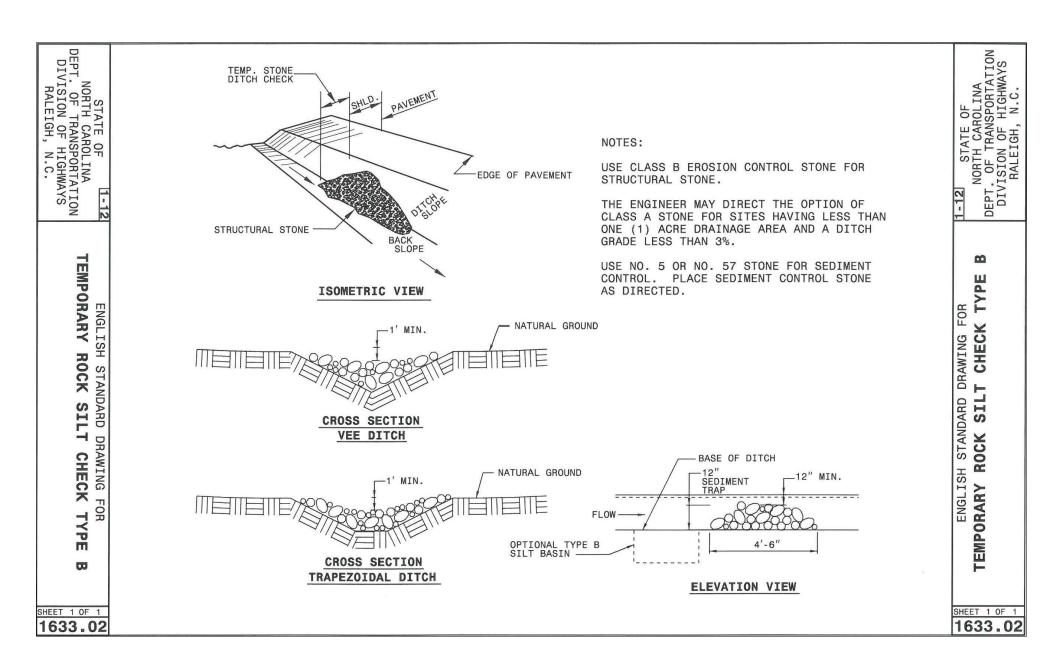
REVISED: 4/17/15 - RELEASED FOR CONSTRUCTION

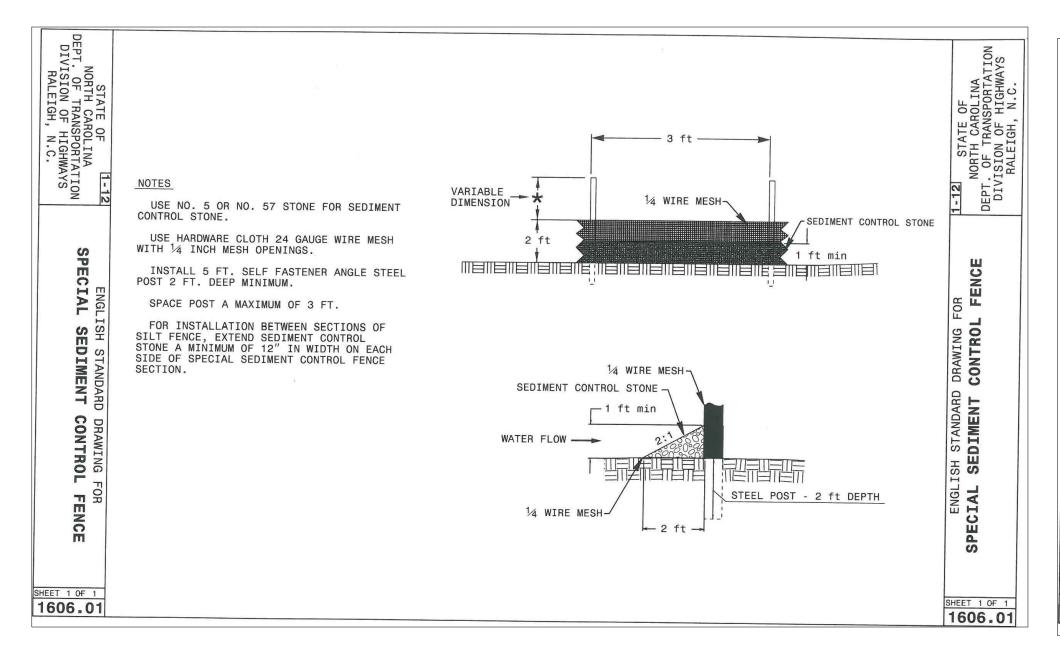
p.o. box 1179

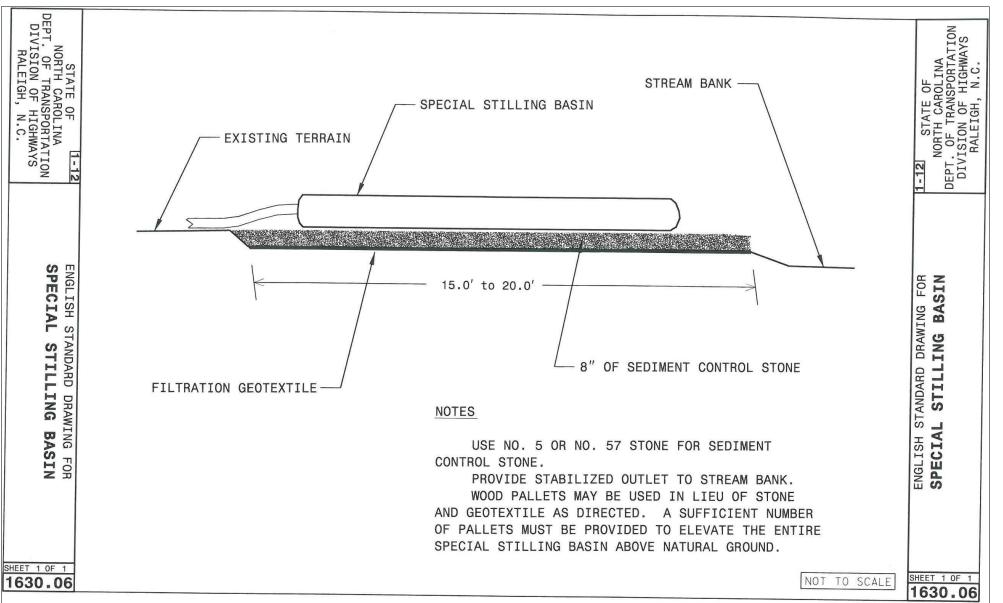
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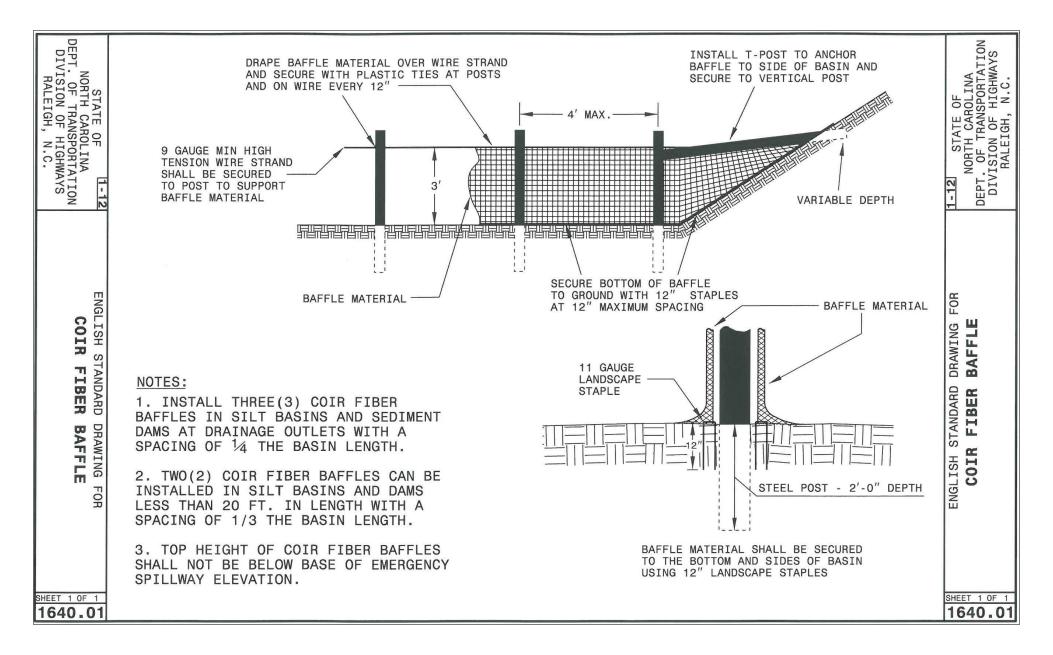


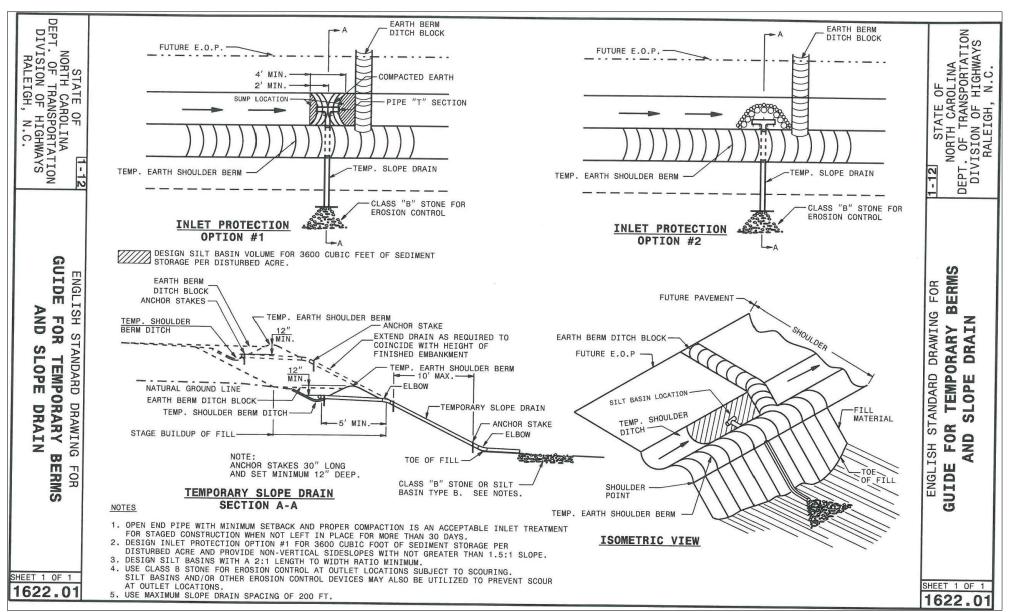


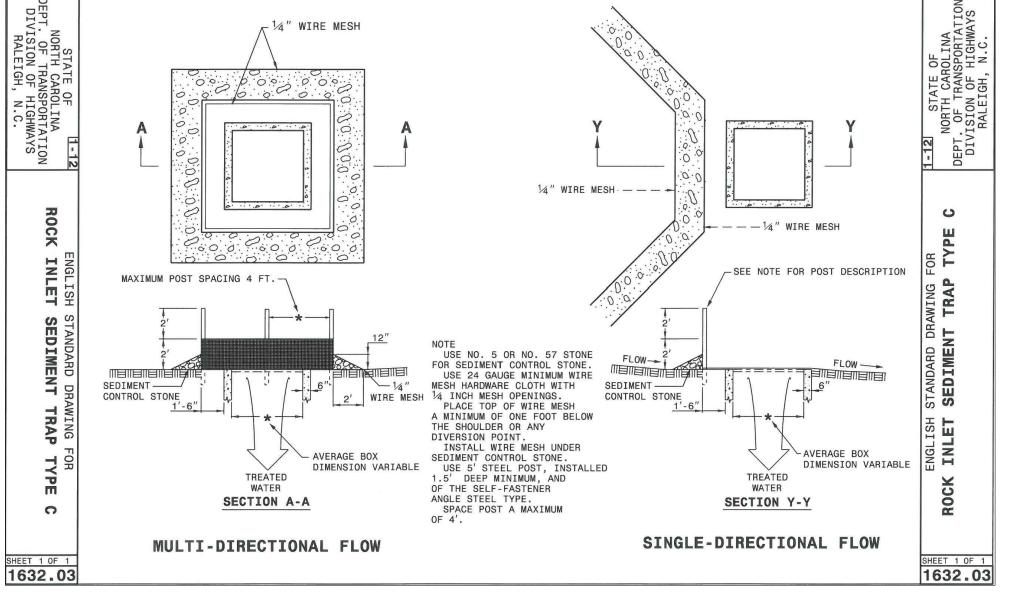


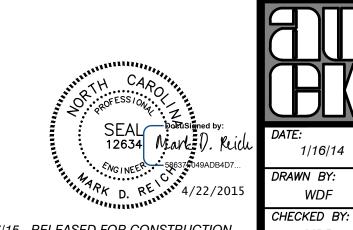














ELON, NORTH CAROLINA BOONE STATION TOWNSHIP, ALAMANCE COUNTY, NC

1/16/14 WDF

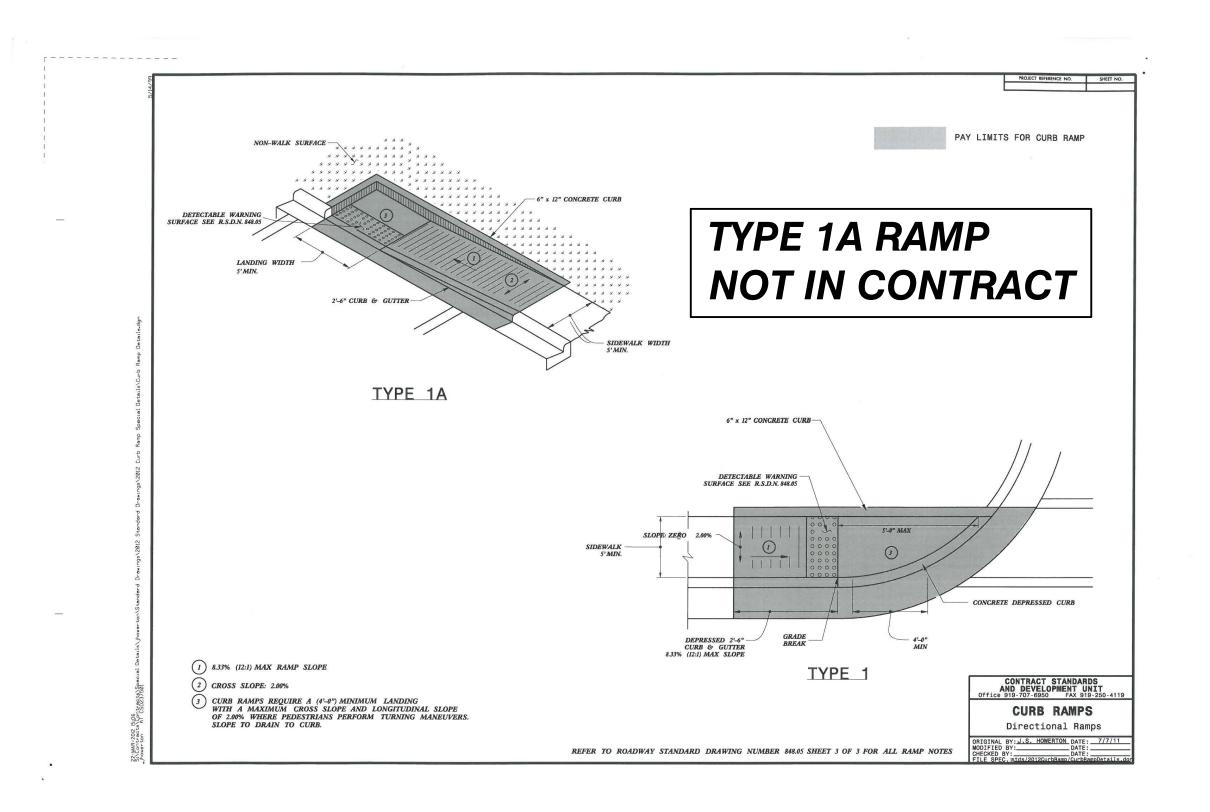
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Firm's Engineering License No. F-0203

DETAILS

12190 DWG NAME: 12190DETAILS.DWG EROSION CONTROL SHEET NO.

REVISED: 4/17/15 - RELEASED FOR CONSTRUCTION



CONSTRUCTION SEQUENCE

2. INSTALL STATIONARY WORK ZONE SIGNS.

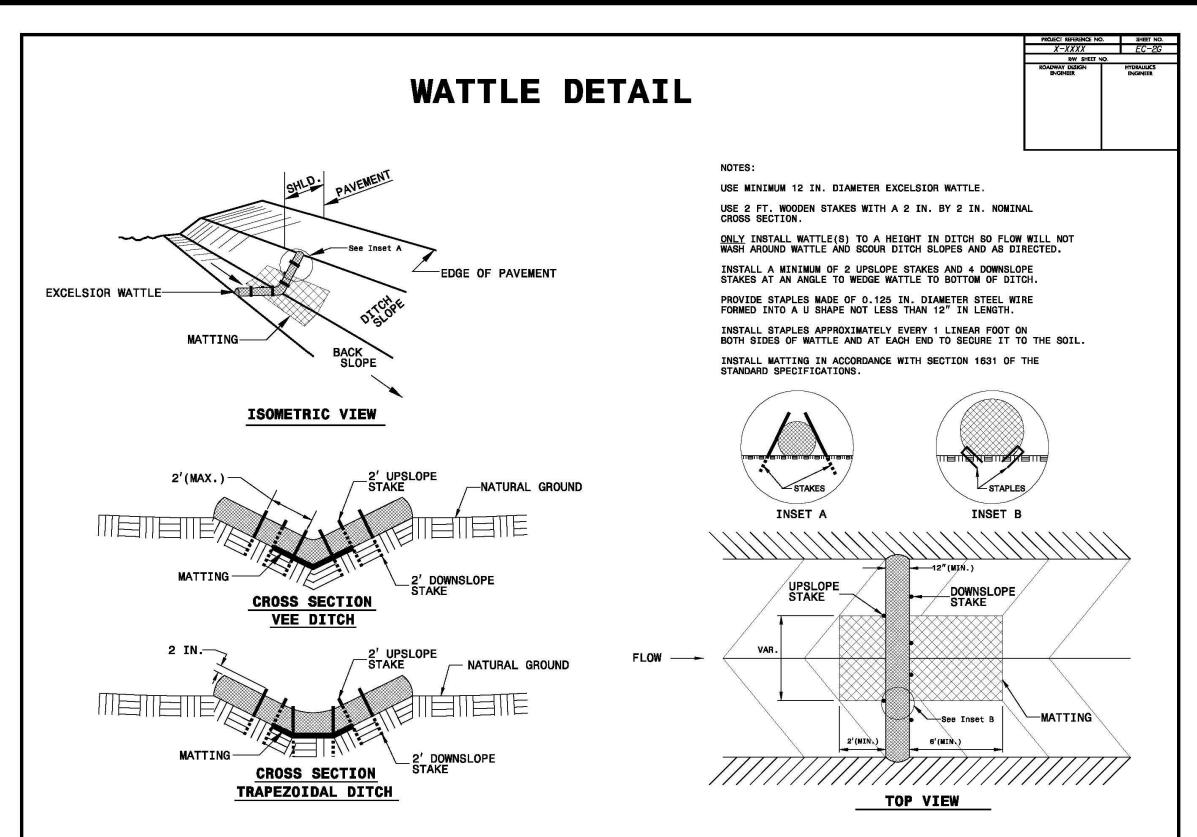
- 1. HOLD PRECONSTRUCTION CONFERENCE & CONTACT LOCATING SERVICE TO LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- 3. INSTALL TEMPORARY SILT FENCE AND SPECIAL SEDIMENT CONTROL FENCE AS SHOWN ON DRAWINGS. NOTE, SILT FENCE INSTALLATION MAY BE PHASED; HOWEVER, FENCE SHALL BE INSTALLED PRIOR TO BEGINNING ANY WORK WITHIN THE DRAINAGE BASIN WHERE THE SILT FENCE IS PROPOSED.
- 4. INSTALL ROCK SILT CHECK DAMS, EXCAVATE SILT BASIN, INSTALL COIR FIBER BAFFLES & SILT FENCE FROM CHECK DAM TO EDGE OF DISTURBANCE AS DIRECTED BY ENGINEER.
- 5. INSTALL 24" RCP FROM PIPE END NO. 7 TO JMH NO. 12 INCLUDING 15" RCP FOR DRIVEWAY& PROPOSED DITCH. CONSTRUCT DRAINAGE STRUCTURES & PROVIDE EROSION CONTROL STONE AS DIRECTED BY ENGINEER DURING CONSTRUCTION OF STRUCTURE & PROVIDE INLET PROTECTION (NCDOT STD. 1632.03) AFTER DRAINAGE STRUCTURE IS CONSTRUCTED.
- 6. INSTALL ROCK SILT CHECK DAMS, SILT BASIN & COIR FIBER BAFFLES DOWNSTREAM OF EXISTING 18" RCP, PIPE END NO. 1 & 4.
- 7. INSTALL STORM DRAINAGE PIPES FROM PIPE END NO. 1 TO CB NO. 3 & PIPE END NO. 4 TO CB NO. 6. 8. STRIP TOPSOIL AND VEGETATION FROM EDGE OF PAVEMENT TO C/F LINE. MATERIAL MAY BE STOCKPILED ADJACENT TO SILT FENCE AND MAY BE USED IN FILL SLOPE BEYOND WIDTH OF BERM.
- 9. PROOFROLL SUBGRADE INCLUDING EXISTING DITCH LINES AND UNDERCUT ANY AREAS DEEMED UNACCEPTABLE BY ENGINEER. USE BORROW MATERIAL OR ABC STONE BASE TO STABILIZE AREAS AS DIRECTED BY THE ENGINEER.
- 10. CONSTRUCT SHOULDER & FILL SLOPE FOR BALL PARK AVENUE INCLUDING BASE DITCH NOS. 2 & 3. INSTALL TEMPORARY BERM AT TOP OF SLOPE AND SLOPE DRAIN TO TOE OF SLOPE. SEED & MULCH SHOULDER & FILL SLOPE & PROVIDE EROSION CONTROL BLANKETS ON FILL SLOPE & BASE DITCHES AS DIRECTED BY THE ENGINEER. INSTALL WATTLES IN BASE DITCHES AS DIRECTED BY ENGINEER.
- 11. TRENCHING FOR BASE COURSE SHALL BE DONE SUCH THAT ALL EXCAVATED MATERIALS ARE REPLACED WITH 4" ASPHALT BASE COURSE AND THE DROP OFF EDGE ARE REPAIRED PRIOR TO REMOVAL OF LANE CLOSURE & NORMAL 2-WAY TRAVEL RESTORED. POSITIVE DRAINAGE AWAY FROM PAVEMENT TO BE MAINTAINED AT ALL TIMES.
- 12. INSTALL CURB & GUTTER AND DRIVEWAYS. STAGE CONSTRUCT OF DRIVEWAYS TO PROVIDE INGRESS & EGRESS TO RESIDENTS OR MAKE ACCEPTABLE ARRANGEMENTS WITH PROPERTY OWNERS.
- 13. BACKFILL CURB & GUTTER & COMPLETE CONSTRUCTION OF BERM & FILL SLOPE..
- 14. INSTALL INTERMEDIATE ASPHALT COURSE (D1) & BOTTOM LAYER OF SURFACE COURSE (C1) BETWEEN EDGE OF PAVEMENT AND CURB & GUTTER.
- 15. INSTALL CONCRETE SIDEWALK & DRIVEWAYS.
- 16. FINE GRADE SHOULDERS TO TYPICAL SECTIONS OR AS DIRECTED BY THE ENGINEER. SEED & MULCH SHOULDERS AND DISTURBED AREAS BETWEEN CURB & SILT FENCE.
- 17. ONCE ADEQUATE GROUND COVER IS ESTABLISHED. REMOVE SILT FENCE AND SPECIAL SEDIMENT CONTROL FENCE AND REPAIR SEED THE AREAS DISTURBED DURING PROCESS OF FENCE REMOVAL. INSTALL RIP-RAP BASE DITCH NO. 1 & OUTLET PROTECTION FOR PIPE END NOS. 1 & 4. SEED & MULCH ALL DISTURBED AREAS ADJACENT TO BASE DITCH. REMOVE TEMPORARY BERM & SLOP
- DRAIN ON BALL PARK AVENUE & REPAIR SEED AS DIRECTED BY ENGINEER. 18. REPAIR SEED ANY AREA PREVIOUSLY SEEDED & MULCHED AND WHERE ADEQUATE VEGETATION HAS NOT BEEN ESTABLISHED AS DIRECTED BY THE ENGINEER.

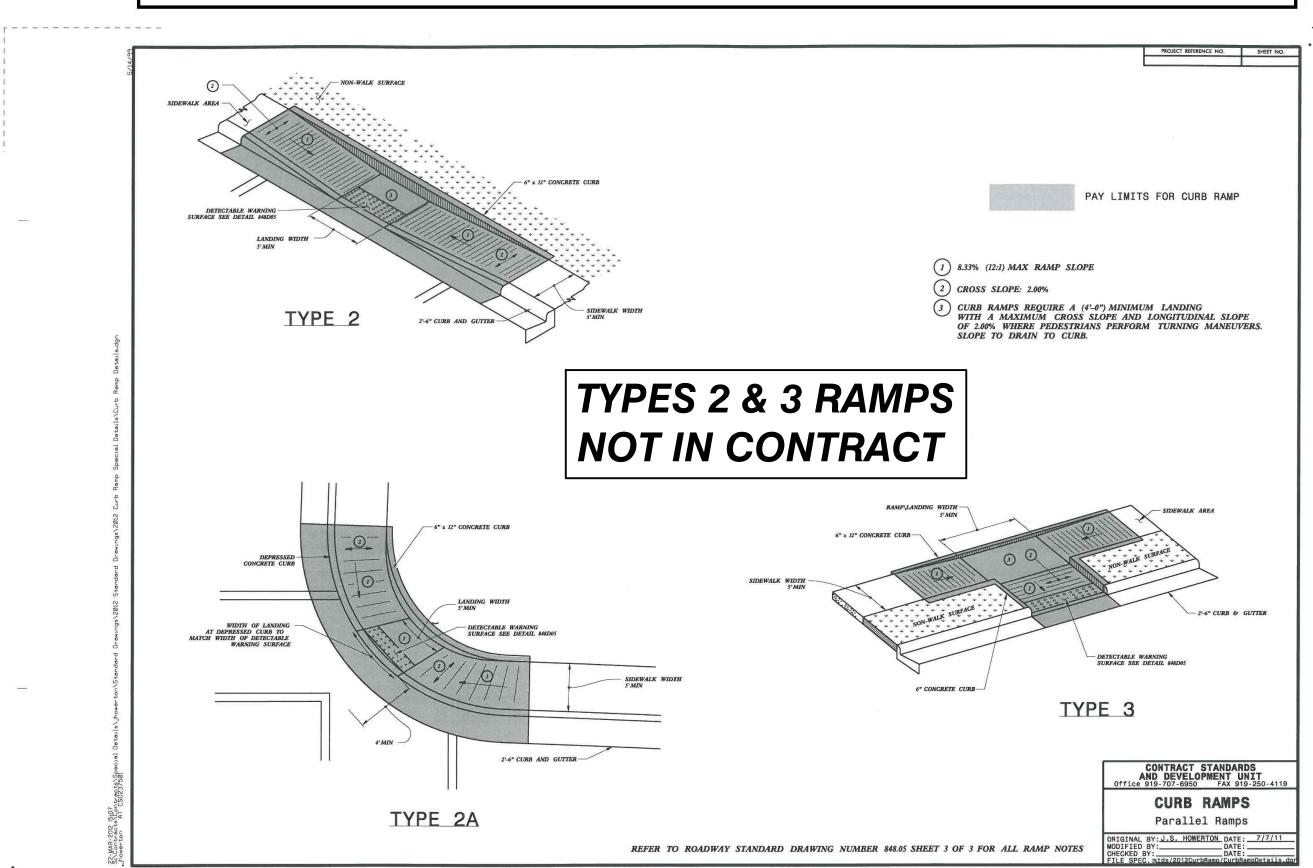
GENERAL EROSION CONTROL NOTES:

- 1. ALL EROSION CONTROL MEASURES AND DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH NCDOT & NCDENR - LAND QUALITY SECTION "EROSION AND SEDIMENT CONTROL MANUAL" REQUIREMENTS.
- 2. ALL SLOPES SHALL BE SEEDED AND MULCHED WITHIN 14 CALENDAR DAYS OF COMPLETION OF
- 3. REMOVE ANY MUD OR SOIL MATERIALS TRACKED ONTO ADJOINING ROADS IMMEDIATELY.
- 4. PROVIDE ADDITIONAL MEASURES AS NEEDED TO DIRECT RUNOFF TO EROSION CONTROL DEVICES AS DIRECTED BY THE ENGINEER.
- 5. INSPECT ALL EROSION CONTROL MEASURES ON A WEEKLY BASIS AND WITHIN 24 HOURS OF A 0.5 IN. RAINFALL EVENT (WITHIN A 24 HOUR PERIOD). CONTRACTOR SHALL REPAIR OR PROVIDE ANY REQUIRED MAINTENANCE NOTED DURING INSPECTION AND PRIOR TO CONTINUING WITH ANY CONSTRUCTION ACTIVITIES.
- 6. CONTRACTOR SHALL PROVIDE A RAIN GAUGE ON SITE AND SHALL COMPLETE "STORMWATER INSPECTIONS FOR GENERAL PERMIT NCG010000 - LAND DISTURBING ACTIVITIES" FORM ON A WEEKLY BASIS. PROVIDE COPIES OF REPORT TO OWNER/ENGINEER ON A MONTHLY BASIS.
- 7. ANY WASTE MATERIAL DISPOSED OF OFF-SITE SHALL BE DISPOSED OF TO A SITE APPROVED BY NCDENR, LQS.
- 8. ANY BORROW MATERIAL SHALL BE OBTAINED FROM AN NCDENR, LQS APPROVED SITE
- 9. PROVIDE COPIES OF APPROVAL LETTERS FOR WASTE/BORROW SITES TO ENGINEER PRIOR TO DISPOSING OF OR OBTAINING MATERIAL FROM SITES.
- 10. CONTRACTOR SHALL PROVIDE ENGINEER WITH A COPY OF THE CERTIFICATION OF ALL EMPLOYEES MAINTAINING AND INSTALLING EROSION CONTROL DEVICES.

BALL PARK AVENUE AREA EROSION CONTROL NOTES:

- 1. PROVIDE A TEMPORARY BERM & SLOPE DRAIN ALONG TOP OF SLOPE FROM STA. 0+50± TO STA. 2+30± (SEE NCDOT STD. DETAIL 1622.01).
- 2. PROVIDE A SPECIAL STILLING BASIN (SEE NCDOT STD. DETAIL 1630.06) IF GROUNDWATER ENCOUNTERED DURING STORM SEWER INSTALLATION.
- 3. PROVIDE TYPE 'C' ROCK INLET SEDIMENT TRAP PROTECTION (SEE NCDOT STD. DETAIL 1632.03) AT ALL CATCH BASINS/JUNCTION MANHOLES WHERE DISTURBED SOIL DRAINS TO A DRAINAGE STRUCTURE.
- 4. PROVIDE TYPE 'B' ROCK SILT CHECK DAMS (SEE NCDOT STD. DETAIL 1633.02) IN EXISTING OR CONSTRUCTED DITCHES AS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER.
- 5. PROVIDE COIR FIBER BAFFLES IN SEDIMENT PITS WHERE SHOWN ON DRAWINGS OR AS DIRECTED BY ENGINEER.
- 6. PROVIDE WATTLES IN GRASS LINED DITCHES AS DIRECTED BY ENGINEER TO ASSIST WITH ESTABLISHMENT OF PERMANENT VEGETATION. IN GENERAL, WATTLE SPACING SHALL BE 50'±.
- 7. PROVIDE EROSION CONTROL BLANKETS ON FILL SLOPE OF BALL PARK AVENUE STA. 1+00 TO STA. 2+30 & BOTTOM OF BASE DITCH NOS. 2 & 3.









REVISED: 4/17/15 - RELEASED FOR CONSTRUCTION REVISED: 4/17/15 - ADDED TYPE 1 CURB RAMP DETAIL

PROPOSED STREET & SIDEWALK IMPROVEMENTS FOR TOWN OF ELON

ELON, NORTH CAROLINA BOONE STATION TOWNSHIP, ALAMANCE COUNTY, NC



ENGINEERS, ARCHITECTS & SURVEYORS 740 chapel hill road burlington, n.c. 27215 Firm's Engineering License No. F-0203

1/16/14 WDFCHECKED BY:

EROSION CONTROL NOTES

alley, williams, carmen & king, inc.

DWG NAME: 12190DETAILS.DWG

p.o. box 1179

336/226-5534

12190



GENERAL TRAFFIC CONTROL NOTES

- 1. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH ALL NCDOT AND MUTCD SPECIFICATIONS AND
- 2. CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN DETAIL DRAWINGS, STANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS, OR RESULT IN DUPLICATE, OR UNDESIRABLE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES, AS DIRECTED BY THE ENGINEER.
- 3. CONTRACTOR SHALL PROVIDE STATIONARY WORK ZONE SIGNS (ROAD CONSTRUCTION AHEAD AND END CONSTRUCTION) AS
- SHOWN ON TRAFFIC CONTROL PLAN OR AS DIRECTED BY ENGINEER.
- 4. INSTALL STATIONARY ADVANCE WORK ZONE WARNING SIGNS A MINIMUM OF 3 DAYS PRIOR TO BEGINNING WORK.

SHALL BE AS DIRECTED BY ENGINEER & REVISED PERIODICALLY AS DIRECTED BY ENGINEER.

5. FLAGGERS SHALL BE CERTIFIED IN WORK ZONE TRAFFIC CONTROL OPERATIONS. 6. PROVIDE CHANGEABLE MESSAGE SIGNS ON EACH END OF PROJECT AS SHOWN ON THE TRAFFIC CONTROL PLAN. MESSAGE

LANE AND SHOULDER CLOSURE REQUIREMENTS

- 1. REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED, OR AS DIRECTED BY THE ENGINEER.
- 2. WHEN WORKING WITHIN 8 FEET OF FACE OF CURB, OR 10' OF EDGE OF PAVEMENT, CONTRACTOR WILL BE ALLOWED TO CLOSE ADJACENT TRAVEL LANE, PROVIDED TRAFFIC CONTROL IS MAINTAINED IN ACCORDANCE WITH EITHER METHOD A, B OR C AS FOLLOWS:
- A. SKINNY DRUMS ARE USED TO PROVIDE 2 TRAVEL LANES, ONE IN EACH DIRECTION WITH A MINIMUM LANE WIDTH OF 10' EACH AND 10 FEET OF CLEARANCE BETWEEN TRAVEL LANE AND WORK ZONE.
- B. PROVIDE FLAGGERS AND SHIFT TRAFFIC TO OPPOSITE LANE PER NCDOT STANDARDS.
- C. CONTRACTOR PROVIDES WATER FILLED OR CONCRETE BARRIERS IMMEDIATELY ADJACENT TO THE WORK ZONE AREA AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL PROVIDE PERSONNEL AND EQUIPMENT FOR EITHER METHOD A, B OR C IN ACCORDANCE WITH NCDOT
- STANDARDS, INCLUDING ALL PORTABLE SIGNS. 3. PROVIDE PORTABLE TRAFFIC CONTROL SIGNS AND CHANNELIZING DEVICES TO SHIFT TRAFFIC AS SHOWN ON STANDARD DRAWING 1101.02 OR AS DIRECTED BY THE ENGINEER.
- 4. SPACE CHANNELIZING DEVICES IN WORK AREA AT 40 FT MAX ON CENTER IN TANGENT SECTIONS AND 10 FT MAX ON CENTER IN RADII SECTIONS. CHANNELIZING DEVICES SHALL BE AT LEAST 3 FT OFF EDGE OF AN OPEN TRAVEL WAY WHEN LANE CLOSURES ARE NOT IN EFFECT.

PAVEMENT EDGE DROP OFF REQUIREMENTS

1. BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF THE EXISTING PAVEMENT WHERE THE DROP OFF EXCEEDS 2 INCHES. BACKFILL MATERIAL SHALL BE COMPACTED AND APPROVED BY THE ENGINEER AS SUITABLE MATERIAL FOR THE INTENDED PURPOSE. BACKFILL MATERIAL SHALL BE PROVIDED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE ABC STONE BASE AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR INCIDENTAL STONE.

DENOTES STATIONARY TRAFFIC CONTROL SIGN

SIGN SUMMARY

STATIONARY SIGNS

DESCRIPTION W20-1 ROAD WORK AHEAD G20-2a END ROAD WORK

QUANTITY <u>SIZE</u> 48" X 48" 48" X 24"

CONTRACTOR SHALL PROVIDE ALL OTHER REQUIRED SIGNAGE IN ACCORDANCE WITH NCDOT REQUIREMENTS TO TEMPORARILY CLOSE TRAVEL LANES ADJACENT TO WORK ZONE.

TRAFFIC CONTROL WORK RESTRICTIONS

LANE CLOSURES WILL NOT BE ALLOWED BETWEEN 7:00 AM - 9:00 AM AND FROM 4:00 PM - 7:00 PM, MONDAY THRU FRIDAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.



PROPOSED STREET & SIDEWALK IMPROVEMENTS FOR

TOWN OF ELON ELON, NORTH CAROLINA BOONE STATION TOWNSHIP, ALAMANCE COUNTY, NC

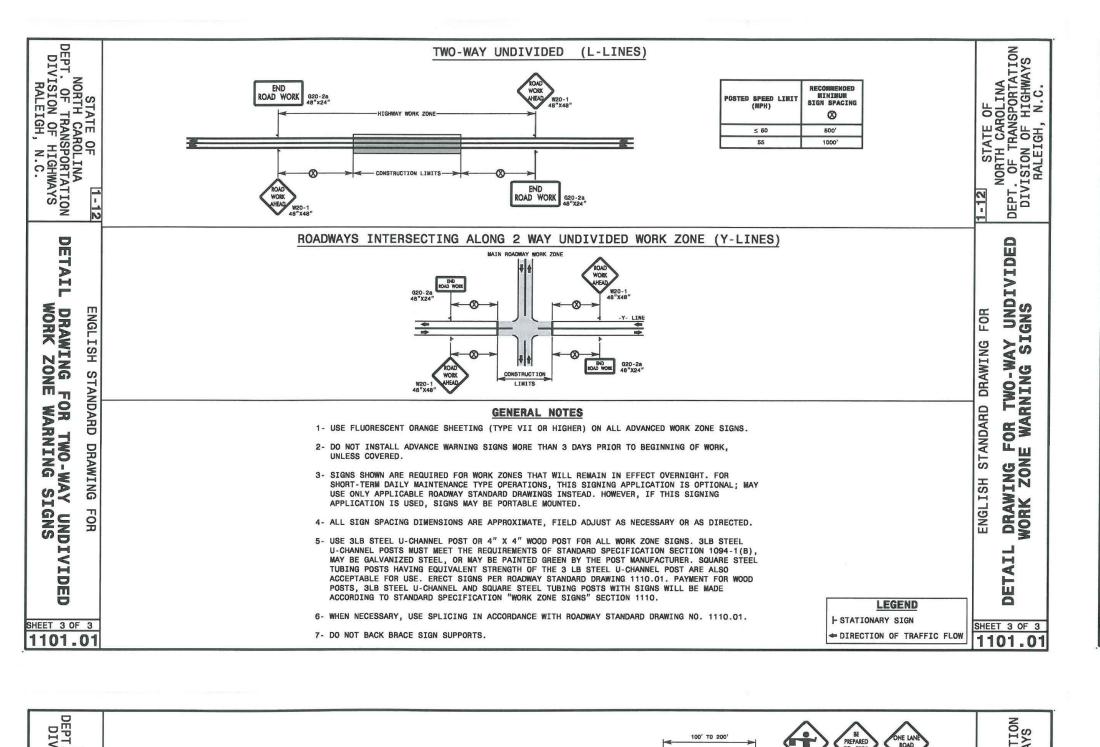
alley, williams, carmen & king, inc. ENGINEERS, ARCHITECTS & SURVEYORS p.o. box 1179

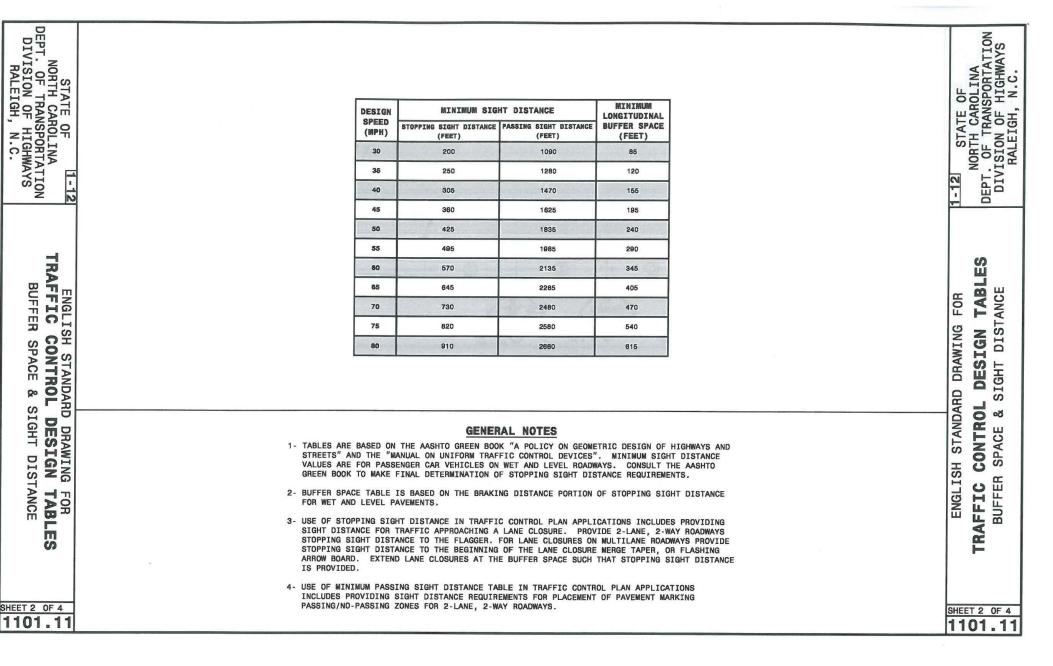
740 chapel hill road burlington, n.c. 27215 Firm's Engineering License No. F-0203

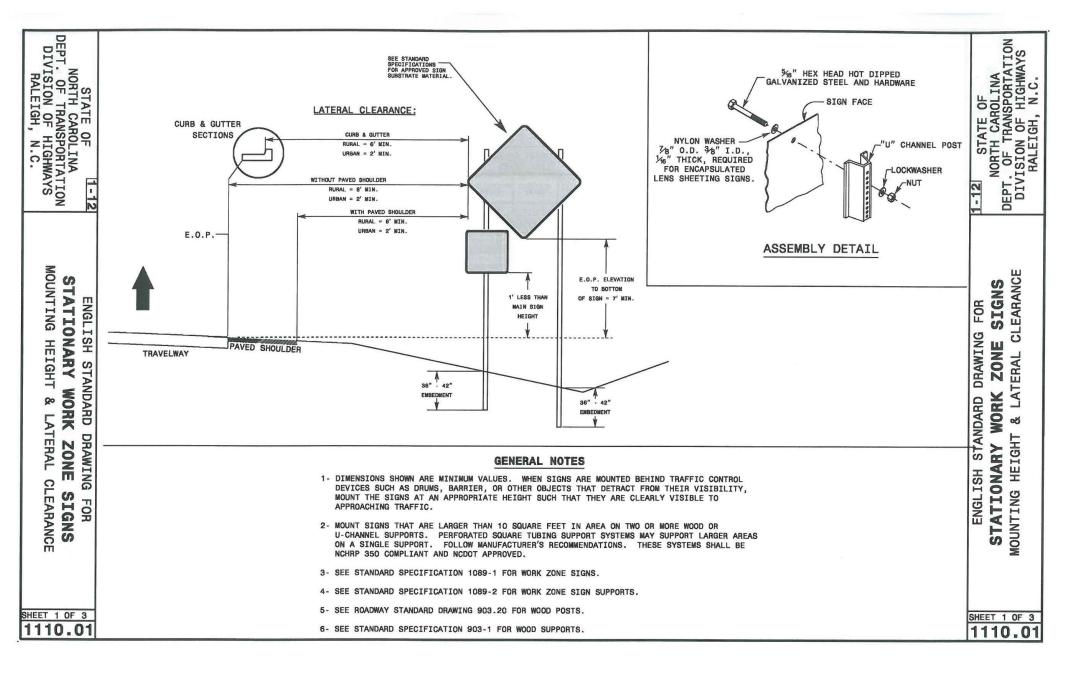
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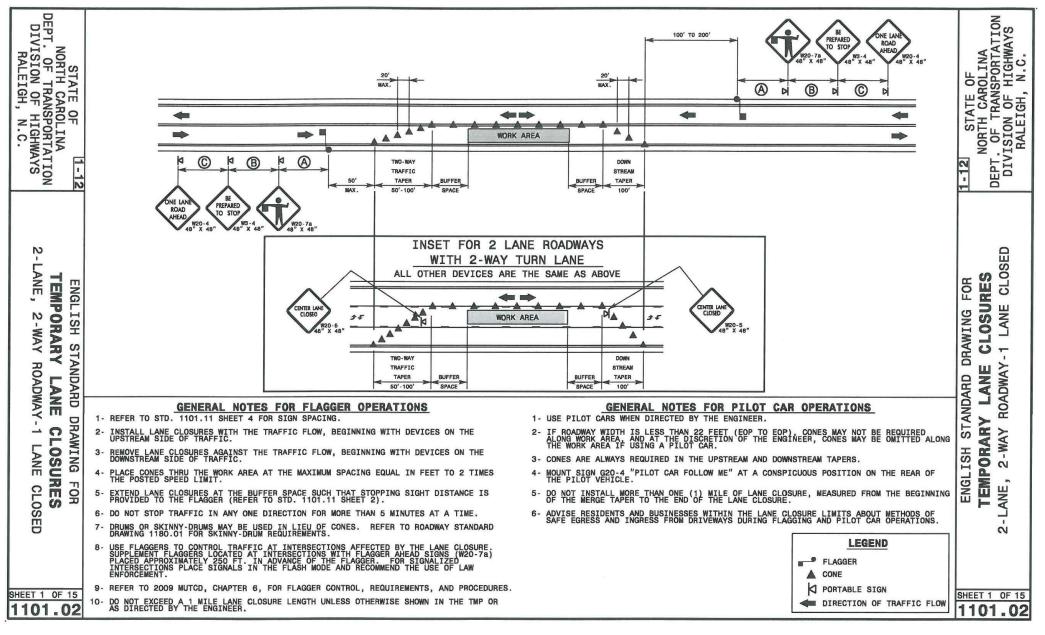
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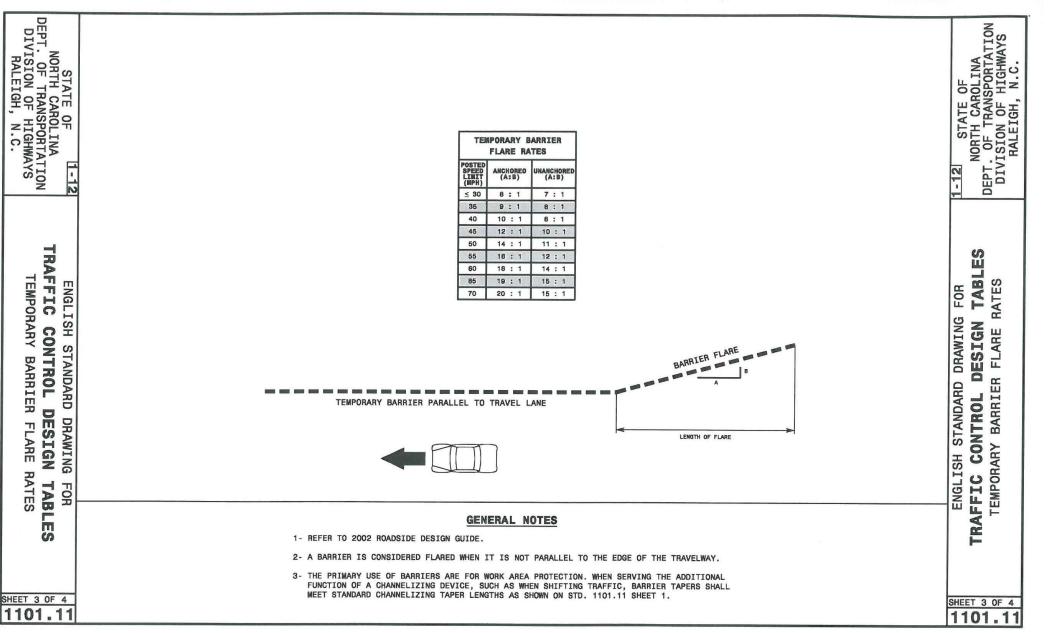
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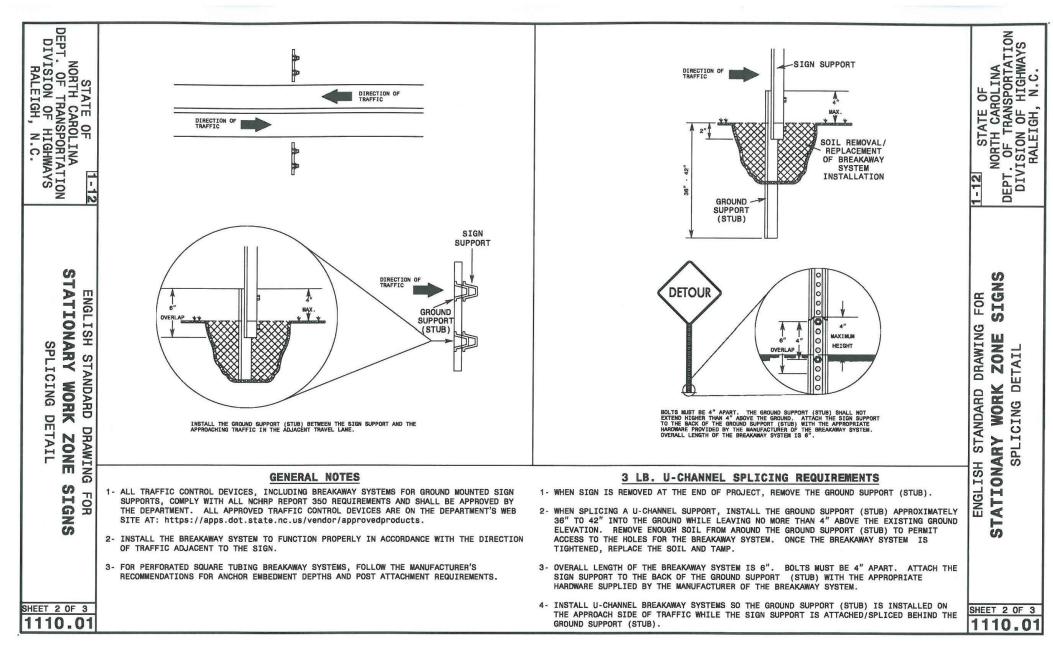


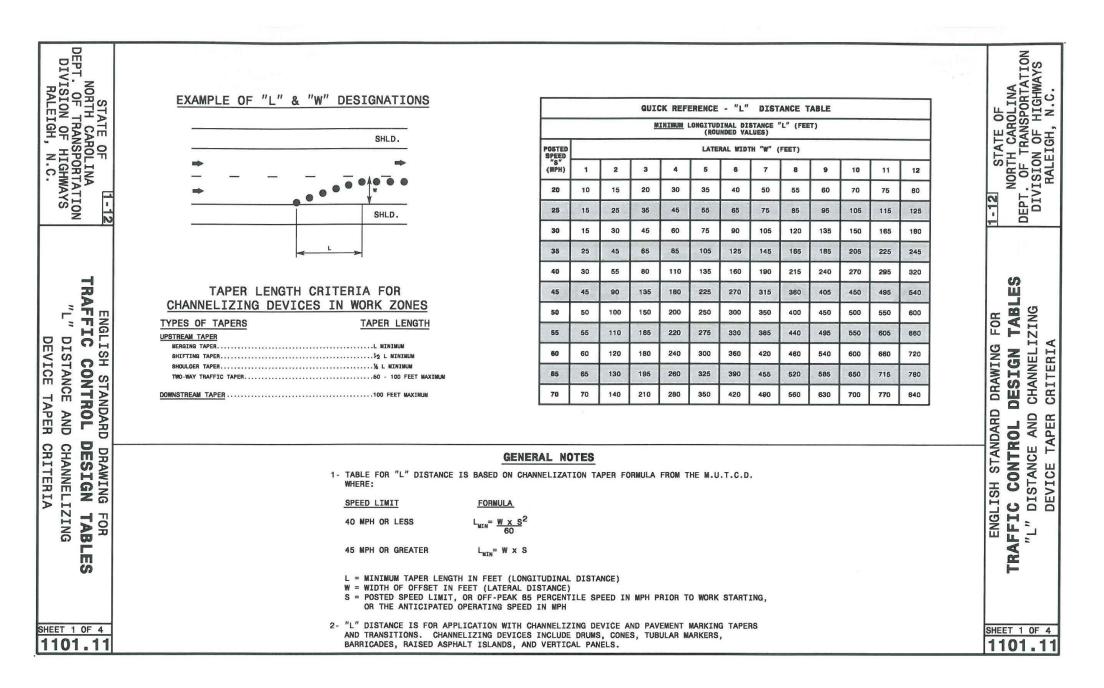


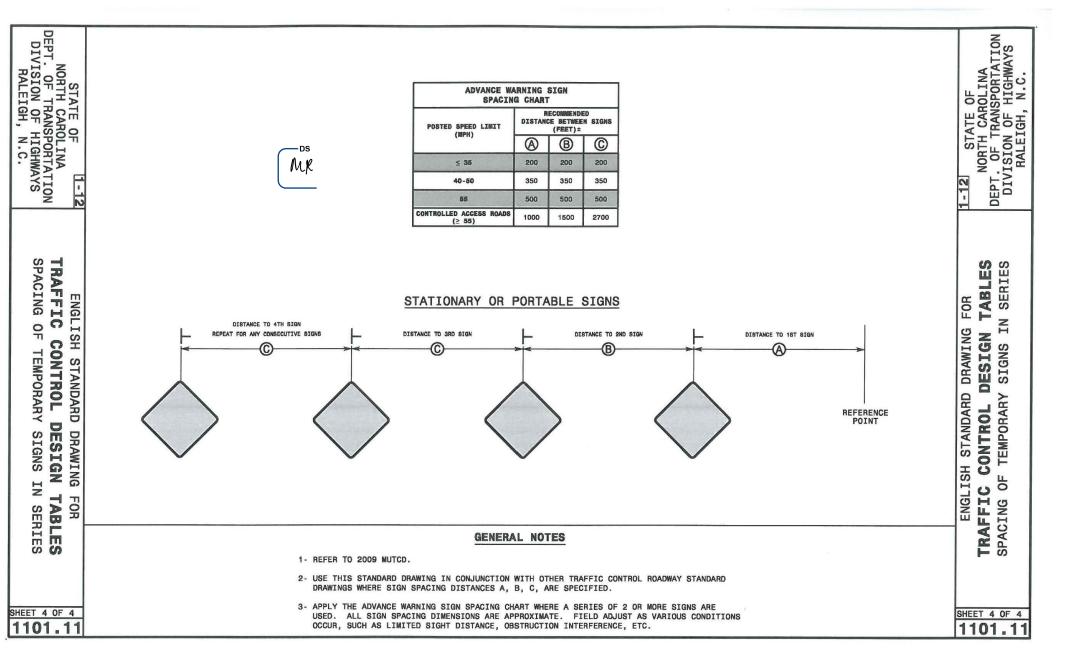


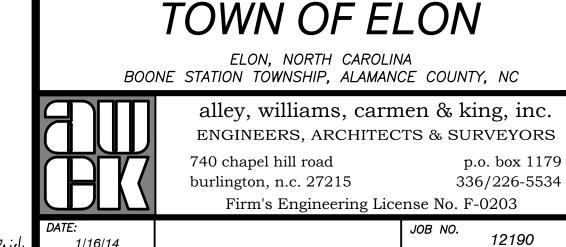












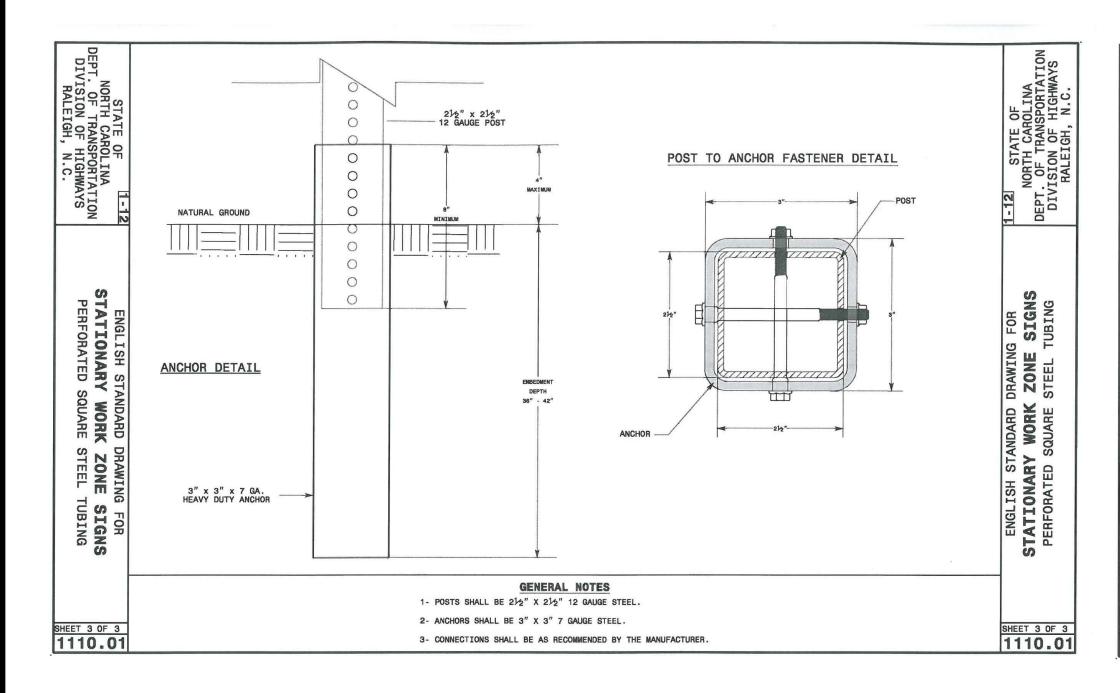
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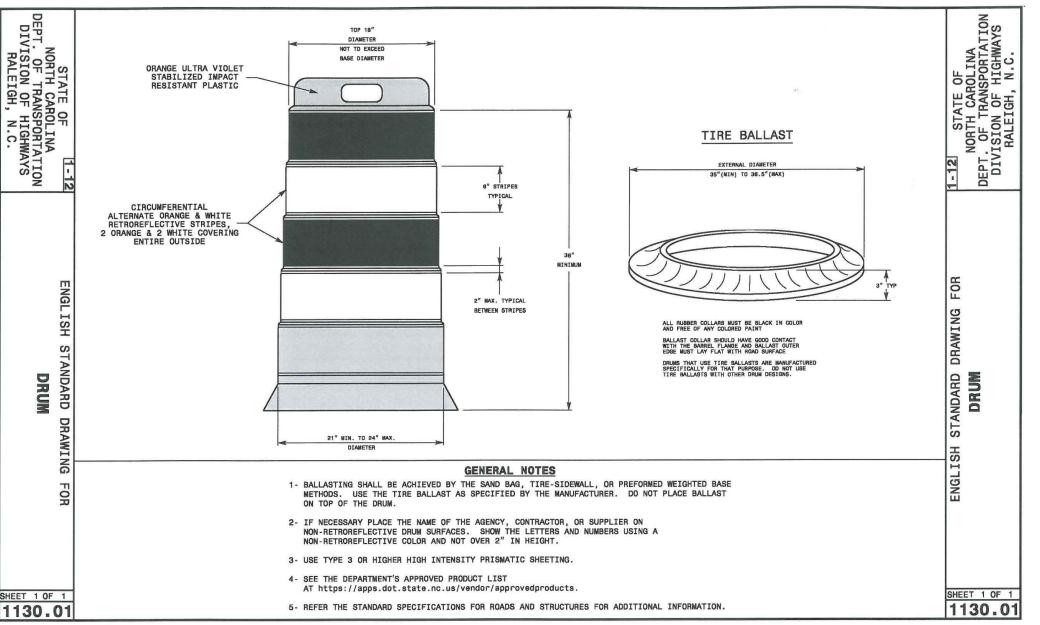
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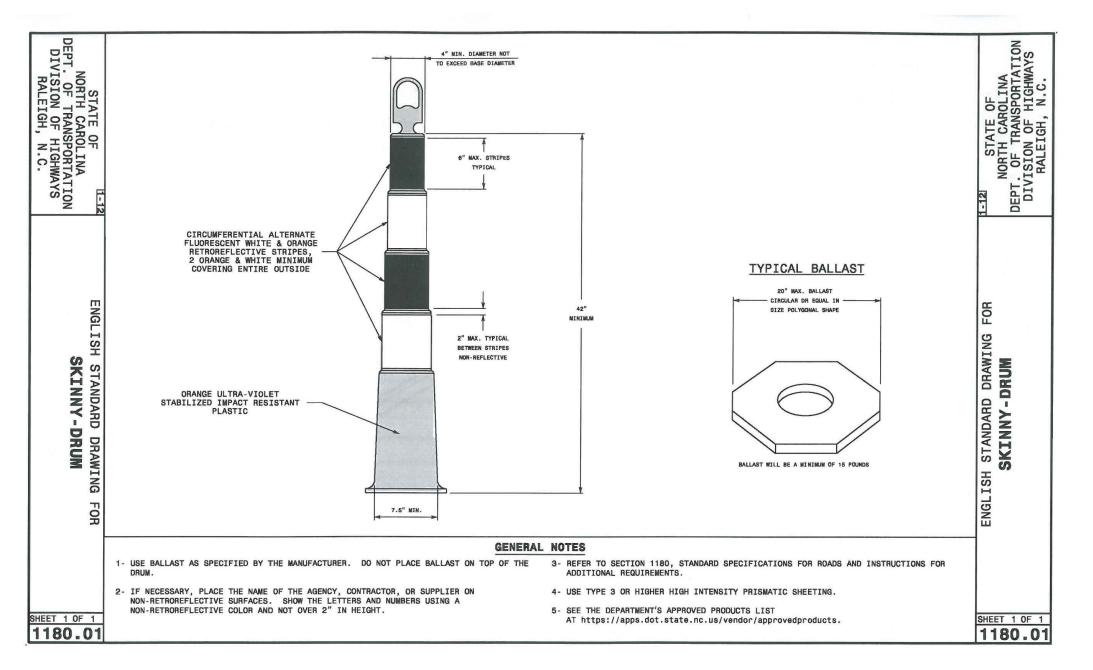
TRAFFIC CONTROL **DETAILS**

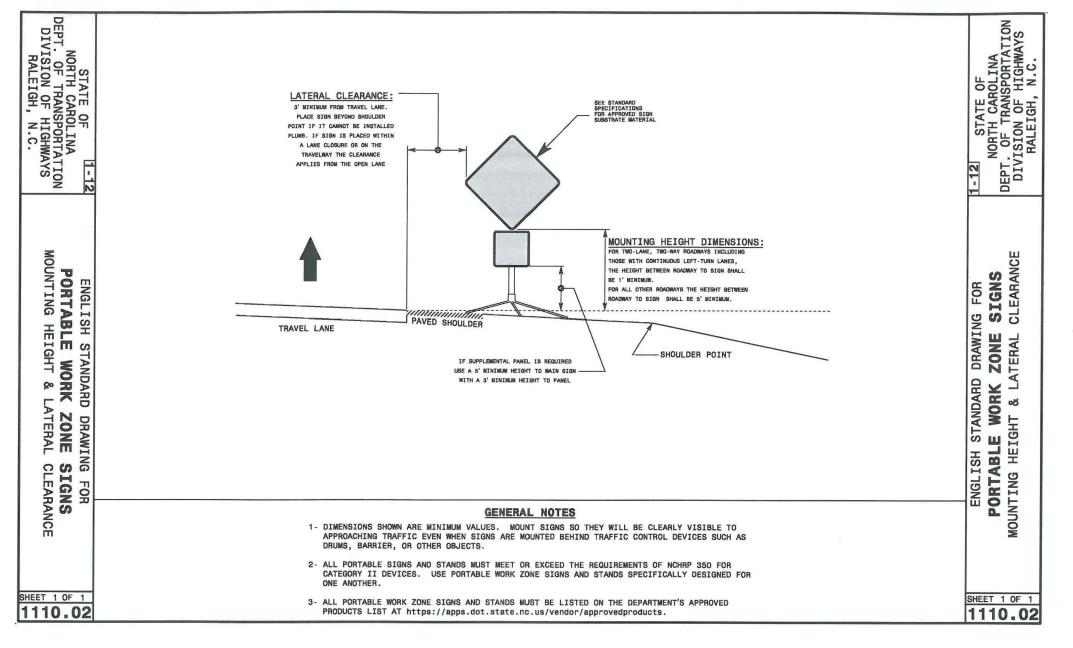
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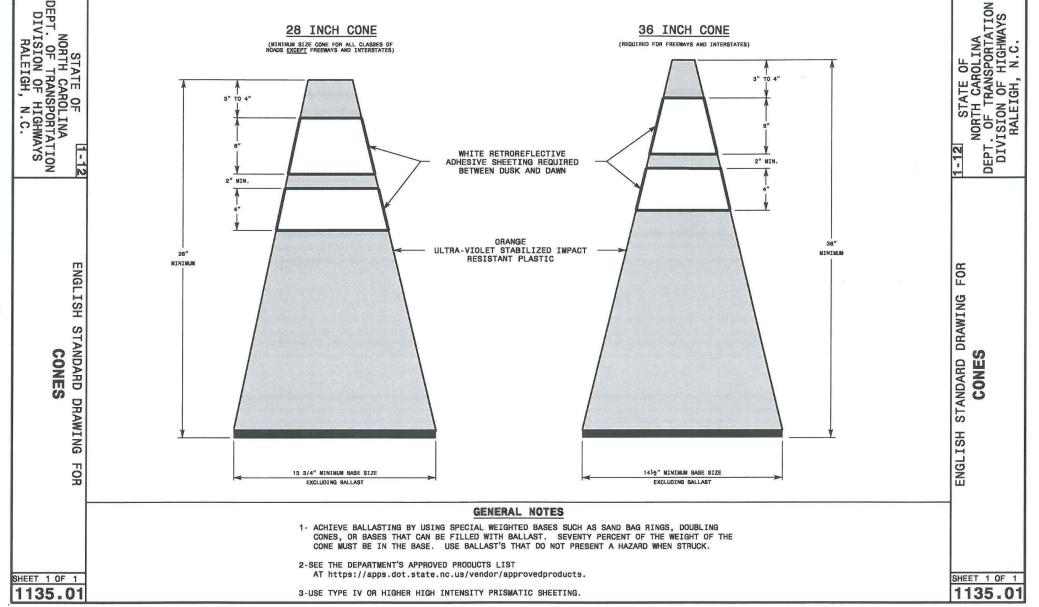
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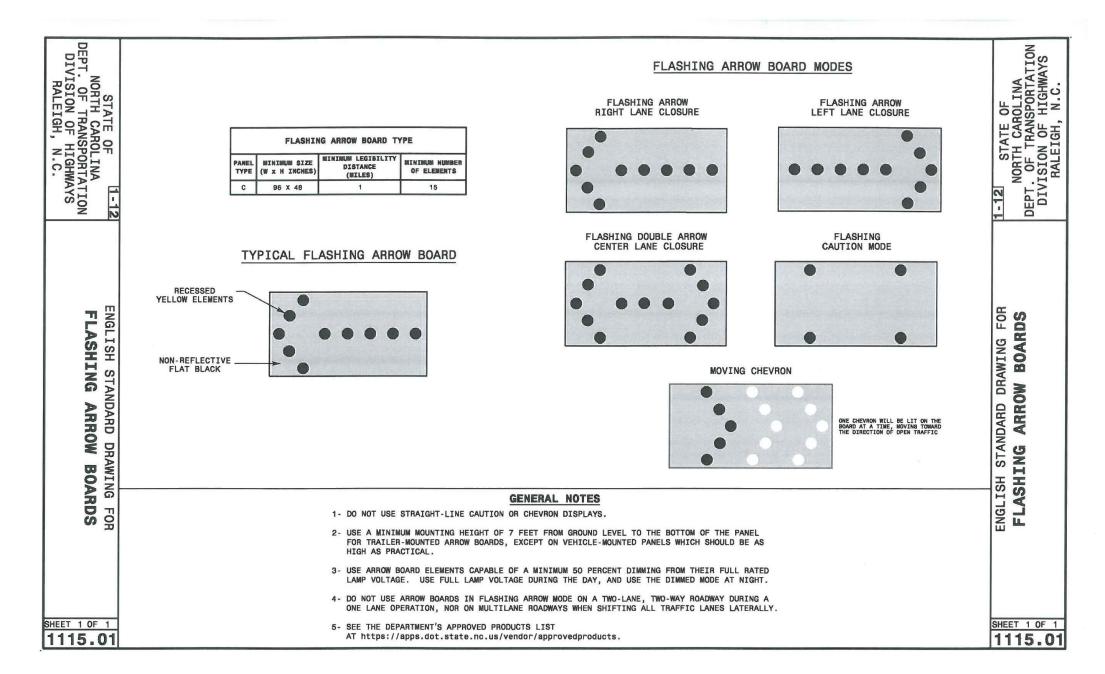


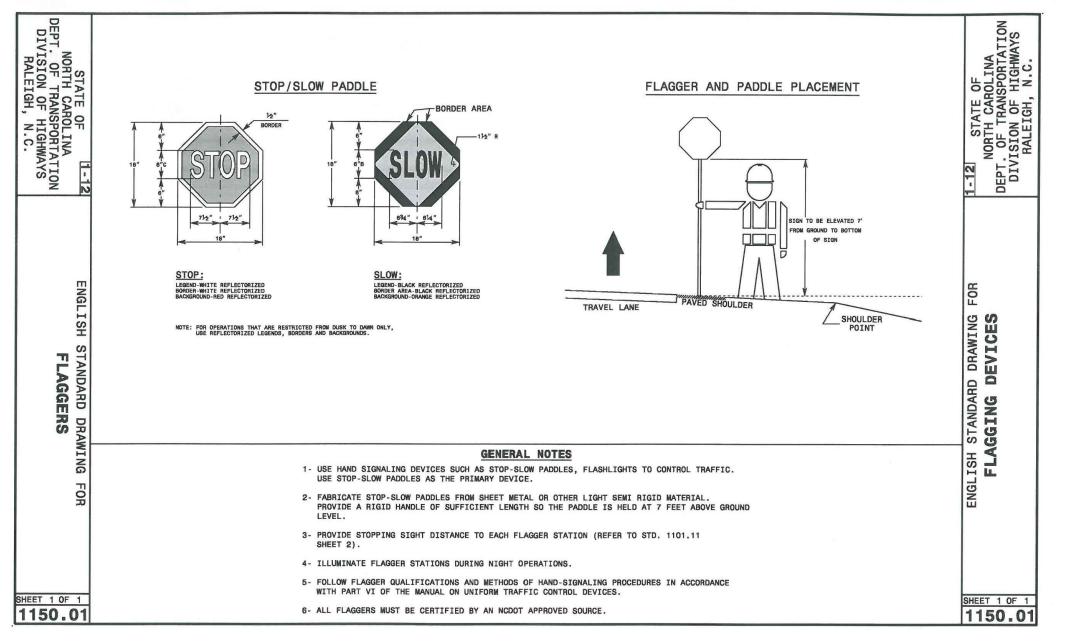
















TOWN OF ELON HAW RIVER, NORTH CAROLINA

HAW RIVER TOWNSHIP, ALAMANCE COUNTY, NC



alley, williams, carmen & king, inc. ENGINEERS, ARCHITECTS & SURVEYORS 740 chapel hill road p.o. box 1179 burlington, n.c. 27215 336/226-5534

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CHECKED BY:

TRAFFIC CONTROL DETAILS

SHEET NO.

12190

DWG NAME: 12190DETAILS.DWG

REVISED: 4/17/15 - RELEASED FOR CONSTRUCTION